



Release 3.0.SAA John F. Collins, Biocomputing Research Unit.  
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Mparch\_n n.a. - n.a. database search, using Smith-Waterman algorithm

Run on: Wed May 6 23:24:34 1998; MasPar time 118.86 Seconds

Tabular output not generated. 928,571 Million cell updates/sec

Title: >US-08-320-157-6  
Description: (1-2094) from US08320157.seq  
Perfect Score: 2094  
N.A. Sequence: 1 GAGGAGCTACAGGAGGACAG.....CAAAAAAAGGAGATCC 2094  
Comp: CTCCTAGATGTCCTCCCTGTC.....GTTTTTTTTGCTCTAGG

Scoring table: TABLE default  
Gap 6

Mmatch STD : Dbase 0; Query 0

Searched: 102136 segs, 26354296 bases x 2

Post-processing: Minimum Match 0%  
Listing first 45 summaries

Database:

n-1ssued  
1:back1 2:51 3:52 4:53 5:54 6:55 7:56 8:57 9:PC90  
10:PC91 11:PC92 12:PC93 13:PC94 14:PC95 15:PC96

Statistics: Mean 9.226; Variance 4.729; scale 1.951

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description	Pred. No.
1	1882	89.9	1968	7	US-08-321- Sequence 17, Applicati	0.00e+00
2	93	4.4	93	7	US-08-440- Sequence 15, Applicati	2.55e-50
3	93	4.4	93	15	PCT-US96-0 Sequence 15, Applicati	2.55e-50
4	84	4.0	84	7	US-08-440- Sequence 17, Applicati	1.93e-43
5	84	4.0	84	15	PCT-US96-0 Sequence 17, Applicati	1.93e-43
6	66	3.2	7218	7	US-08-238- Sequence 14, Applicati	5.86e-30
7	45	2.1	45	7	US-08-440- Sequence 19, Applicati	5.80e-15
8	45	2.1	45	15	PCT-US96-0 Sequence 19, Applicati	5.80e-15
9	39	1.9	39	7	US-08-440- Sequence 21, Applicati	6.39e-11
10	39	1.9	39	15	PCT-US96-0 Sequence 21, Applicati	6.39e-11
11	39	1.9	7218	7	US-08-238- Sequence 14, Applicati	6.39e-11
12	38	1.8	215	6	US-08-238- Sequence 5, Applicatio	2.91e-10
13	33	1.6	215	6	US-08-238- Sequence 5, Applicatio	2.91e-10
14	25	1.2	74	14	PCT-US95-1 Sequence 100, Applicat	2.85e-02
15	25	1.2	75	14	PCT-US95-1 Sequence 99, Applicati	2.85e-02
16	25	1.2	81	14	PCT-US95-1 Sequence 92, Applicati	2.85e-02
17	25	1.2	81	14	PCT-US95-1 Sequence 98, Applicati	2.85e-02
18	25	1.2	82	14	PCT-US95-1 Sequence 97, Applicati	2.85e-02
19	22	1.1	65	7	US-08-471- Sequence 145, Applicati	1.21e+00

c	20	22	1.1	65	7	US-08-471- Sequence 145, Applicat	1.21e+00
c	21	22	1.1	66	7	US-08-471- Sequence 144, Applicat	1.21e+00
c	22	22	1.1	66	7	US-08-471- Sequence 143, Applicat	1.21e+00
c	23	22	1.1	68	7	US-08-471- Sequence 142, Applicat	1.21e+00
c	24	22	1.1	69	7	US-08-471- Sequence 141, Applicat	1.21e+00
c	25	22	1.1	69	7	US-08-471- Sequence 140, Applicat	1.21e+00
c	26	22	1.1	74	14	PCT-US95-1 Sequence 94, Applicati	1.02e-01
c	27	24	1.1	74	14	PCT-US95-1 Sequence 93, Applicati	1.02e-01
c	28	23	1.1	74	14	PCT-US95-1 Sequence 92, Applicati	1.02e-01
c	29	22	1.1	74	14	PCT-US95-1 Sequence 91, Applicati	1.02e-01
c	30	24	1.1	75	14	PCT-US95-1 Sequence 90, Applicati	1.02e-01
c	31	23	1.1	81	14	PCT-US95-1 Sequence 89, Applicati	1.02e-01
c	32	22	1.1	81	14	PCT-US95-1 Sequence 88, Applicati	1.02e-01
c	33	24	1.1	82	14	PCT-US95-1 Sequence 87, Applicati	1.02e-01
c	34	22	1.1	85	7	US-08-438- Sequence 26, Applicati	1.21e+00
c	35	22	1.1	85	7	US-08-438- Sequence 25, Applicati	1.21e+00
c	36	22	1.1	85	13	PCT-US94-0 Sequence 1, Applicatio	1.21e+00
c	37	22	1.1	85	13	PCT-US94-0 Sequence 2, Applicatio	1.21e+00
c	38	23	1.1	105	5	US-07-865- Sequence 13, Applicati	1.02e-01
c	39	24	1.1	105	5	US-07-865- Sequence 12, Applicati	1.02e-01
c	40	22	1.1	242	7	US-08-273- Sequence 1, Applicatio	1.21e+00
c	41	22	1.1	2116	7	US-08-701- Sequence 1, Applicatio	1.21e+00
c	42	24	1.1	2492	12	PCT-US93-1 Sequence 13, Applicati	1.02e-01
c	43	22	1.1	2818	6	US-08-366- Sequence 1, Applicatio	1.21e+00
c	44	21	1.0	66	14	PCT-US95-1 Sequence 93, Applicati	3.98e+00
c	45	21	1.0	10627	5	US-08-060- Sequence 12, Applicati	3.98e+00

# ALIGNMENTS

RESULT 1  
ID US-08-321-071A-17 STANDARD; DNA; UNC; 1968 BP.

AC xxxxxx  
XX 01-JAN-1900  
DE Sequence 17, Application US/08321071A.  
CC Sequence 17, Application US/08321071A  
CC Patent No. 5672686  
CC GENERAL INFORMATION:  
CC APPLICANT: CHITTENDEN, Thomas D.  
CC TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-X, AND METHODS  
CC NUMBER OF SEQUENCES: 31  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Hale and Dorr  
CC STREET: 1455 Pennsylvania Avenue, N.W.  
CC CITY: Washington  
CC STATE: D.C.  
CC ZIP: 20004  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC OPERATING SYSTEM: IBM PC compatible  
CC SOFTWARE: PatentIn Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/321,071A  
CC FILING DATE: 11-OCT-1994  
CC CLASSIFICATION: 514  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US95/10103  
CC FILING DATE: 09-AUG-1995  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 08/287,427  
CC FILING DATE: 09-AUG-1994  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: WIXON, HENRY N.  
CC REGISTRATION NUMBER: 32,073  
CC REFERENCE/DOCKET NUMBER: 104322.121CIP  
CC TELECOMMUNICATION INFORMATION:



RESULT	2	
ID	US-08-440-391-15	STANDARD; DNA; UNC; 93 BP.
XX		
AC	xxxxxx	
XX		
DT	01-JAN-1900	
XX		
DE	Sequence 15, Application US/08440391.	
XX		
CC	Sequence 15, Application US/08440391	
CC	Patent No. 5656725	
CC	GENERAL INFORMATION:	
CC	APPLICANT: CHITTENDEN, Thomas D.; and	
CC	APPLICANT: LUTZ, Robert J.	
CC	TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS WHICH	
CC	TITLE OF INVENTION: MODULATE APOPTOSIS	
CC	NUMBER OF SEQUENCES: 34	
CC	CORRESPONDENCE ADDRESSES:	
CC	ADDRESSEE: Hale and Dorr	
CC	STREET: 1455 Pennsylvania Avenue, N.W.	
CC	CITY: Washington	
CC	STATE: D.C.	
CC	ZIP: 20004	
CC	COMPUTER READABLE FORM:	
CC	MEDIUM TYPE: Floppy disk	
CC	COMPUTER: IBM PC compatible	
CC	OPERATING SYSTEM: PC-DOS/MS-DOS	
CC	SOFTWARE: PatentIn Release #1.0, Version #1.25	
CC	CURRENT APPLICATION DATA:	
CC	APPLICATION NUMBER: US/08/440,391	
CC	FILING DATE: 12-MAY-1995	
CC	CLASSIFICATION: 435	
CC	ATTORNEY/AGENT INFORMATION:	
CC	NAME: WIXON, HENRY N.	
CC	REGISTRATION NUMBER: 32,073	
CC	REFERENCE/DOCKET NUMBER: 104322.147	
CC	TELECOMMUNICATION INFORMATION:	
CC	TELEPHONE: 202-942-8400	
CC	TELEFAX: 202-942-8484	
CC	INFORMATION FOR SEQ ID NO: 15:	
CC	SEQUENCE CHARACTERISTICS:	
CC	LENGTH: 93 base pairs	
CC	TYPE: nucleic acid	
CC	STRANDEDNESS: single	
CC	TOPOLOGY: linear	
CC	MOLECULE TYPE: DNA (genomic)	
SQ	Sequence 93 BP; 22 A; 31 C; 26 G; 14 T; 0 other;	
	Query Match 4.4%; Score 93; DB 7; Length 93;	
	Best Local Similarity 100.0%; Pred. No. 2.55e-50;	
	Matches 93; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
Db	1 CAGGTGGACGCGCAGCTCGCCATCATCGGGGAGCAGCATCAACGACGCTATGACTCAGAG 60	
QY	417 CAGGTGGACGCGCAGCTCGCCATCATCGGGGAGCAGCATCAACGACGCTATGACTCAGAG 476	
Db	61 TTCGAGACCATGTTGTCAGACACCTGCAGGCCACAG 93	
QY	477 TTCGAGACCATGTTGTCAGACACCTGCAGGCCACAG 509	
RESULT	3	
ID	PCT-US96-06122-15	STANDARD; DNA; UNC; 93 BP.
XX		
AC	xxxxxx	
XX		
DT	01-JAN-1900	
XX		
DE	Sequence 15, Application PC/TUS9606122.	

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XX Sequence 15, Application PC/TUS9606122
CC GENERAL INFORMATION:
CC APPLICANT: IMMUNOGEN, INC.
CC TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS
CC TITLE OF INVENTION: WHICH MODULATE APOPTOSIS
CC NUMBER OF SEQUENCES: 34
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Hale and Dorr
CC STREET: 1455 Pennsylvania Avenue, N.W.
CC CITY: Washington
CC STATE: D.C.
CC ZIP: 20004
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: PatentIn Release #1.0, Version #1.25
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: PCT/US96/06122
CC FILING DATE: HERewith
CC CLASSIFICATION:
CC ATTORNEY/AGENT INFORMATION:
CC NAME: WIXON, HENRY N.
CC REGISTRATION NUMBER: 33,073
CC REFERENCE/DOCKET NUMBER: 104322.147PCT
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 202-942-8400
CC TELEFAX: 202-942-8484
CC INFORMATION FOR SEQ ID NO: 15:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 93 base pairs
CC TYPE: nucleic acid
CC STRANDEDNESS: single
CC TOPOLOGY: linear
CC MOLECULE TYPE: DNA (genomic)
CC Sequence 93 BP; 22 A; 31 C; 26 G; 14 T; 0 other;
SQ
Query Match 4.4%; Score 93; DB 15; Length 93;
Best Local Similarity 100.0%; Pred.No.2.55e-50;
Matches 93; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Dd 1 CAGTGGGACGCCGACGCTGCATCATATGCGGGAGCAGCATCAACGACGCTATGACTAGAG 60
|||
Qy 417 CAGGTGGGACGCCGACGCTGCATCATATGCGGGAGCAGCATCAACGACGCTATGACTAGAG 476
Dd 61 TTCAGACCATGTTCGAGCACCTGCAGCCACG 93
|||
Qy 477 TTCAGACCATGTTCGAGCACCTGCAGCCACG 509
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RESULT 4
ID US-08-440-391-17 STANDARD; DNA; UNC; 84 BP.
XX
AC xxxxxx
XX
DT 01-JAN-1900
XX
DE Sequence 17, Application US/08440391.
XX
CC Sequence 17, Application US/08440391
CC Patent No. 5656725
CC GENERAL INFORMATION:
CC APPLICANT: CHITTENDEN, Thomas D.; and
CC APPLICANT: LUTZ, Robert J.
CC TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS WHICH
CC TITLE OF INVENTION: MODULATE APOPTOSIS
CC NUMBER OF SEQUENCES: 34

```

CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Hale and Dorr  
CC STREET: 1455 Pennsylvania Avenue, N.W.  
CC CITY: Washington  
CC STATE: D.C.  
CC ZIP: 20004  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC OPERATING SYSTEM: IBM PC compatible  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/440,391  
CC FILING DATE: 12-MAY-1995  
CC CLASSIFICATION: 435  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: WIXON, HENRY N.  
CC REGISTRATION NUMBER: 32,073  
CC REFERENCE/DOCKET NUMBER: 104322.147  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-942-8400  
CC TELEFAX: 202-942-8484  
CC INFORMATION FOR SEQ ID NO: 17:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 84 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: DNA (genomic)  
SQ Sequence 84 BP; 20 A; 26 C; 26 G; 12 T; 0 other;  
  
Query Match 4.0%; Score 84; DB 7; Length 84;  
Best Local Similarity 100.0%; Pred. No. 1,93e-43;  
Matches 84; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Db 1 CCTAGCAGCACCATGGGGGAGTGGGAGCGAGCTCCCATCATCGGGAGCATCAAC 60  
OY 399 CCTAGCAGCACCATGGGGGAGTGGGAGCGAGCTCCCATCATCGGGAGCATCAAC 458  
DB 61 CGACGCTATGACTCAGAGTTCAG 84  
OY 459 CGACGCTATGACTCAGAGTTCAG 482  
  
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ID PCT-US96-06122-17 STANDARD; DNA; UNC; 84 BP.  
XX PCT-US96-06122-17 STANDARD; DNA; UNC; 84 BP.  
AC xxxxxx  
XX 01-JAN-1900  
DE Sequence 17, Application PC/TUS9606122.  
XX Sequence 17, Application PC/TUS9606122.  
CC GENERAL INFORMATION:  
CC APPLICANT: IMMUNOGEN, INC.  
CC TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS  
CC NUMBER OF SEQUENCES: 34  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Hale and Dorr  
CC STREET: 1455 Pennsylvania Avenue, N.W.  
CC CITY: Washington  
CC STATE: D.C.  
CC ZIP: 20004  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC OPERATING SYSTEM: IBM PC compatible  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US96/06122

CC FILING DATE: HEREWITH  
CC CLASSIFICATION:  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/440,391  
CC FILING DATE: 12-MAY-1995  
CC CLASSIFICATION:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: WIXON, HENRY N.  
CC REGISTRATION NUMBER: 32,073  
CC REFERENCE/DOCKET NUMBER: 104322.147PCT  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-942-8400  
CC TELEFAX: 202-942-8484  
CC INFORMATION FOR SEQ ID NO: 17:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 84 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: DNA (genomic)  
SQ Sequence 84 BP; 20 A; 26 C; 26 G; 12 T; 0 other;  
  
Query Match 4.0%; Score 84; DB 15; Length 84;  
Best Local Similarity 100.0%; Pred. No. 1,93e-43;  
Matches 84; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Db 1 CCTAGCAGCACCATGGGGGAGTGGGAGCGAGCTCCCATCATCGGGAGCATCAAC 60  
OY 399 CCTAGCAGCACCATGGGGGAGTGGGAGCGAGCTCCCATCATCGGGAGCATCAAC 458  
DB 61 CGACGCTATGACTCAGAGTTCAG 84  
OY 459 CGACGCTATGACTCAGAGTTCAG 482  
  
RESULT 6  
ID US-08-232-463-14 STANDARD; DNA; UNC; 7218 BP.  
XX US-08-232-463-14 STANDARD; DNA; UNC; 7218 BP.  
AC xxxxxx  
XX 01-JAN-1900  
DE Sequence 14, Application US/08232463.  
XX Sequence 14, Application US/08232463.  
CC Patent No. 5670367  
CC GENERAL INFORMATION:  
CC APPLICANT: DORNER, F.  
CC APPLICANT: SCHRIFFLINER, F.  
CC APPLICANT: FALKNER, F. G.  
CC TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS  
CC NUMBER OF SEQUENCES: 52  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Foley & Lardner  
CC STREET: 1800 Diagonal Road, Suite 500  
CC CITY: Alexandria  
CC STATE: VA  
CC COUNTRY: USA  
CC ZIP: 22313-0299  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC OPERATING SYSTEM: IBM PC compatible  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/232,463  
CC FILING DATE:  
CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US/07/935,313  
CC FILING DATE:  
CC APPLICATION NUMBER: EP 91 114 300.6



CC TELEPHONE: 202-942-8400  
CC TELEFAX: 202-942-8484  
CC INFORMATION FOR SEQ ID NO: 19:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 45 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: DNA (genomic)  
CC Sequence 45 BP; 10 A; 15 C; 15 G; 5 T; 0 other;

Query Match 2.1%; Score 45; DB 15; Length 45;  
Best Local Similarity 100.0%; Pred. No. 5,80e-15;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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OY 420 GTGGAGCGGACGCTGCCATCATCGGGAGCAGCATCAACGACGC 464

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ID US-08-440-391-21 STANDARD; DNA; UNC; 39 BP.

XX xxxxxx  
AC  
XX  
DT 01-JAN-1900  
XX Sequence 21, Application US/08440391.  
DE  
XX Sequence 21, Application US/08440391.  
CC Patent No. 5656725  
CC GENERAL INFORMATION:  
CC APPLICANT: CHITTENDEN, Thomas D.; and  
CC APPLICANT: LOTZ, Robert J.  
CC TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS WHICH  
CC MODULATE APOPTOSIS  
CC NUMBER OF SEQUENCES: 34  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESS: Hale and Dorr  
CC STREET: 1455 Pennsylvania Avenue, N.W.  
CC CITY: Washington  
CC STATE: D.C.  
CC ZIP: 20004  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/440,391  
CC FILING DATE: 12-MAY-1995  
CC CLASSIFICATION: 435  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: MIXON, HENRY N.  
CC REGISTRATION NUMBER: 32,073  
CC REFERENCE/DOCKET NUMBER: 104322.147  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-942-8400  
CC TELEFAX: 202-942-8484  
CC INFORMATION FOR SEQ ID NO: 21:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 39 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: DNA (genomic)  
CC Sequence 39 BP; 11 A; 11 C; 11 G; 6 T; 0 other;

Query Match 1.9%; Score 39; DB 7; Length 39;  
Best Local Similarity 100.0%; Pred. No. 6.39e-11;  
Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 GGGAGCAGCATCAACCGACGCTATGACTCAGAGTTCCAG 39  
|||  
OY 444 GGGAGCAGCATCAACCGACGCTATGACTCAGAGTTCCAG 482

RESULT 10  
ID PCT-US96-06122-21 STANDARD; DNA; UNC; 39 BP.

XX xxxxxx  
AC  
XX  
DT 01-JAN-1900  
XX Sequence 21, Application PC/TUS9606122.  
DE  
XX Sequence 21, Application PC/TUS9606122  
CC GENERAL INFORMATION:  
CC APPLICANT: IMMUNOGEN, INC.  
CC TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS  
CC WHICH MODULATE APOPTOSIS  
CC NUMBER OF SEQUENCES: 34  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESS: Hale and Dorr  
CC STREET: 1455 Pennsylvania Avenue, N.W.  
CC CITY: Washington  
CC STATE: D.C.  
CC ZIP: 20004  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US96/06122  
CC FILING DATE: HERewith  
CC CLASSIFICATION:  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/440,391  
CC FILING DATE: 12-MAY-1995  
CC CLASSIFICATION:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: MIXON, HENRY N.  
CC REGISTRATION NUMBER: 32,073  
CC REFERENCE/DOCKET NUMBER: 104322.147PCT  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-942-8400  
CC TELEFAX: 202-942-8484  
CC INFORMATION FOR SEQ ID NO: 21:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 39 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: DNA (genomic)  
CC Sequence 39 BP; 11 A; 11 C; 11 G; 6 T; 0 other;

Query Match 1.9%; Score 39; DB 15; Length 39;  
Best Local Similarity 100.0%; Pred. No. 6.39e-11;  
Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 GGGAGCAGCATCAACCGACGCTATGACTCAGAGTTCCAG 39  
|||  
OY 444 GGGAGCAGCATCAACCGACGCTATGACTCAGAGTTCCAG 482

RESULT 11  
ID US-08-232-463-14 STANDARD; DNA; UNC; 7218 BP.

XX xxxxxx  
AC  
XX  
DT 01-JAN-1900  
XX

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DE Sequence 14, Application US/08232463.
XX
CC Sequence 14, Application US/08232463
CC Patent No. 5670367
CC GENERAL INFORMATION:
CC APPLICANT: DORNER, F.
CC APPLICANT: SCHRIEFINGER, F.
CC APPLICANT: FALKNER, F.G.
CC TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
CC NUMBER OF SEQUENCES: 52
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Foley & Lardner
CC STREET: 1800 Diagonal Road, Suite 500
CC CITY: Alexandria
CC STATE: VA
CC COUNTRY: USA
CC ZIP: 22313-0299
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patentln Release #1.0, Version #1.25
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/232,463
CC FILING DATE:
CC CLASSIFICATION: 435
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: US/07/935,313
CC FILING DATE:
CC APPLICATION NUMBER: EP 91 114 300.6
CC FILING DATE: 26-AUG-1991
CC ATTORNEY/AGENT INFORMATION:
CC NAME: BENT, Stephen A.
CC REGISTRATION NUMBER: 29,766
CC REFERENCE/DOCKET NUMBER: 30472/114 IMMU
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (703)836-9300
CC TELEFAX: (703)683-4109
CC Telex: 899149
CC INFORMATION FOR SEQ ID NO: 14:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 7218 base pairs
CC TYPE: nucleic acid
CC STRANDEDNESS: single
CC TOPOLOGY: linear
CC IMMEDIATE SOURCE:
CC CLONE: pTZ9pt-F15
CC Sequence 7218 BP; 1944 A; 1491 C; 1486 G; 1929 T; 368 other;
SQ
Query Match 1.9%; Score 39; DB 7; Length 7218;
Best Local Similarity 1.9%; Pred. NO. 6.39e-11;
Matches 6; Conservative 170; Mismatches 137; Indels 0; Gaps 0
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Cp 2019 CTCGATGCGCTCCCGCTCGCATTTGGCGAATCAAGAACTTCGCCCGCTACCCCC 1960
Db 1190 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1249
Cp 1959 AAGACCCCTGAGGCTGTGCCAATAGAAAGGACGCTGCAACCCCGCTGAGAGACTAG 1900
Db 1250 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1309
Cp 1899 ACAGGTGAGGAGCATGAGAGGTGGGGAGACAGAGTTCAGATTCACAGTTCCCCCATCT 1840
Db 1310 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1369
Cp 1839 ACACCCCTCGATATCACCTGTGCCAGAGCCATGAGGAGAGATCCACCTCGGATTCCAG 1780
Db 1370 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1429
Cp 1779 TGGGTATATAGTCTTCTCCCACTTAGAACCTTCAGATGAATCACTCCCTACTCTTTTC 1720

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Db	1430	YYYGTGACAAA	1442
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XX	AC	xxxxxx	
XX	DT	01-JAN-1900	
XX	DE	Sequence 5, Application US/08238163.	
XX	CC	Sequence 5, Application US/08238163	
CC	CC	Patent No. 5569830	
CC	CC	GENERAL INFORMATION:	
CC	CC	APPLICANT: BENNETT, Alan	
CC	CC	APPLICANT: LABAVITCH, John M.	
CC	CC	APPLICANT: POWELL, Ann	
CC	CC	APPLICANT: STORZ, Henrik	
CC	CC	TITLE OF INVENTION: PLANT INHIBITORS OF FUNGAL	
CC	CC	POLYGLACTURONASES AND THEIR USE TO CONTROL FUNGAL DISEA	
CC	CC	NUMBER OF SEQUENCES: 24	
CC	CC	CORRESPONDENCE ADDRESS:	
CC	CC	ADDRESSEE: Townsend and Townsend Hourie and Crew	
CC	CC	STREET: Stewart Street Tower, One Market Plaza	
CC	CC	CITY: San Francisco	
CC	CC	STATE: California	
CC	CC	COUNTRY: US	
CC	CC	ZIP: 94105-1493	
CC	CC	COMPUTER READABLE FORM:	
CC	CC	MEDIUM TYPE: Floppy disk	
CC	CC	COMPUTER: IBM PC compatible	
CC	CC	OPERATING SYSTEM: PC-DOS/MS-DOS	
CC	CC	SOFTWARE: Patentln Release #1.0, Version #1.25	
CC	CC	CURRENT APPLICATION DATA:	
CC	CC	APPLICATION NUMBER: US/08/238,163	
CC	CC	FILING DATE: 03-MAY-1994	
CC	CC	CLASSIFICATION: 800	
CC	CC	ATTORNEY/AGENT INFORMATION:	
CC	CC	NAME: Bastian, Kevin L.	
CC	CC	REGISTRATION NUMBER: 34,774	
CC	CC	REFERENCE/DOCKET NUMBER: 2307E-540	
CC	CC	TELECOMMUNICATION INFORMATION:	
CC	CC	TELEPHONE: (415) 543-9600	
CC	CC	TELEFAX: (415) 543-5043	
CC	CC	INFORMATION FOR SEQ ID NO: 5:	
CC	CC	SEQUENCE CHARACTERISTICS:	
CC	CC	LENGTH: 215 base pairs	
CC	CC	TYPE: nucleic acid	
CC	CC	STRANDEDNESS: single	
CC	CC	TOPOLOGY: unknown	
CC	CC	MOLECULE TYPE: protein	
CC	CC	FEATURE:	
CC	CC	NAME/KEY: misc_feature	
CC	CC	LOCATION: 1..215	
CC	CC	OTHER INFORMATION: /standard_name="Deduced amino acid	
CC	CC	OTHER INFORMATION: sequence of pep from bean."	
CC	CC	SEQUENCE 215 BP: 15 A; 8 C; 25 G; 26 T; 141 other;	
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Db	284	CCAGGACACAGAGGAGGCTTCCGACGCTACGTTTTCACCGCCATCAGGACGAGCA	343



[illegible]

Search completed: Wed May 6 23:26:35 1998  
Job time : 121 secs.

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MIPS RELEASE  
\*\*\*\*\* (TM)

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MPsrch.p protein - protein database search, using Smith-Waterman algorithm  
Run on: Wed May 6 09:34:23 1998; MasPar time 3.58 Seconds  
Tabular output not generated. 337.331 Million cell updates/sec

Title: >US-08-320-157-7  
Description: (1-211) From US08320157.pep  
Perfect Score: 1561  
Sequence: 1 MASGCGPPRQCEGEPALP.....LVVLGVLLGQFVVRFRFKS 211

Scoring table: PAM 150  
Gap 11

Searched: 62627 seqs, 5720858 residues

Post-processing: Minimum Match 0%  
Listing first 45 summaries

Database: a-issued  
1:back1 2:51 3:52 4:53 5:54 6:55 7:56 8:57 9:PC190  
10:PCT91 11:PCT92 12:PCT93 13:PCT94 14:PCT95 15:PCT96

Statistics: Mean 30.586; Variance 145.199; scale 0.211

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description	Pred. No.
1	1559	99.9	211	7	US-08-321- Sequence 16, Applicati	2.88e-127
2	453	29.0	57	7	US-08-321- Sequence 15, Applicati	5.47e-29
3	396	25.4	54	7	US-08-321- Sequence 21, Applicati	4.35e-24
4	347	22.2	49	7	US-08-321- Sequence 25, Applicati	6.50e-20
5	274	17.6	190	13	PCT-US94-0 Sequence 2, Applicati	8.75e-14
6	274	17.6	190	7	US-08-081- Sequence 2, Applicati	8.75e-14
7	270	17.3	236	14	PCT-US95-0 Sequence 29, Applicati	1.88e-13
8	270	17.3	236	8	US-08-607- Sequence 29, Applicati	1.88e-13
9	266	17.0	233	13	PCT-US95-0 Sequence 24, Applicati	4.03e-13
10	266	17.0	233	13	US-08-081- Sequence 7, Applicati	4.03e-13
11	266	17.0	233	7	US-08-081- Sequence 6, Applicati	4.03e-13
12	266	17.0	233	8	US-08-607- Sequence 24, Applicati	4.03e-13
13	266	17.0	233	7	US-08-333- Sequence 59, Applicati	4.03e-13
14	260	16.7	36	15	PCT-US96-0 Sequence 14, Applicati	1.26e-12
15	260	16.7	36	7	US-08-440- Sequence 14, Applicati	1.26e-12
16	261	16.7	233	8	PCT-US95-0 Sequence 23, Applicati	1.04e-12
17	261	16.7	233	14	PCT-US95-0 Sequence 23, Applicati	1.04e-12
18	259	16.6	205	1	US-08-248- Sequence 13, Applicati	1.53e-12
19	259	16.6	205	8	US-08-248- Sequence 13, Applicati	1.53e-12
20	259	16.6	205	1	US-08-081- Patent No. 5506344-5	1.53e-12
21	259	16.6	205	7	US-08-081- Sequence 4, Applicati	1.53e-12
22	259	16.6	205	13	PCT-US94-0 Sequence 5, Applicati	1.53e-12

23	259	16.6	205	7	US-08-333- Sequence 52, Applicati	1.53e-12
24	259	16.6	239	1	5506344-2 Patent No. 5506344.	1.53e-12
25	259	16.6	239	7	US-08-333- Sequence 51, Applicati	1.53e-12
26	259	16.6	239	8	US-08-248- Sequence 12, Applicati	1.53e-12
27	259	16.6	239	1	5459251-2 Patent No. 5459251	1.53e-12
28	259	16.6	239	12	PCT-US93-0 Sequence 5, Applicati	1.53e-12
29	258	16.5	239	14	PCT-US95-0 Sequence 20, Applicati	1.85e-12
30	258	16.5	239	8	US-08-607- Sequence 10, Applicati	3.26e-12
31	255	16.3	239	8	US-08-112- Sequence 10, Applicati	3.26e-12
32	255	16.3	239	7	US-08-112- Sequence 3, Applicati	5.76e-12
33	252	16.1	154	5	US-08-077- Sequence 11, Applicati	8.42e-12
34	250	16.0	236	8	PCT-US95-0 Sequence 22, Applicati	8.42e-12
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36	250	16.0	236	7	US-08-112- Sequence 22, Applicati	8.42e-12
37	250	16.0	236	8	US-08-607- Sequence 21, Applicati	1.23e-11
38	248	15.9	236	8	US-08-607- Sequence 21, Applicati	1.23e-11
39	248	15.9	236	14	PCT-US95-0 Sequence 16, Applicati	7.72e-10
40	226	14.5	31	15	PCT-US96-0 Sequence 3, Applicati	7.72e-10
41	226	14.5	31	7	US-08-440- Sequence 16, Applicati	7.72e-10
42	226	14.5	31	7	US-08-440- Sequence 3, Applicati	7.72e-10
43	226	14.5	31	15	PCT-US96-0 Sequence 8, Applicati	3.44e-09
44	218	14.0	192	8	US-08-248- Sequence 8, Applicati	3.44e-09
45	218	14.0	192	7	US-08-112- Sequence 8, Applicati	3.44e-09

## ALIGNMENTS

RESULT	ID	US-08-321-071A-16	STANDARD:	PRT:	211 AA.
AC	xxxxxx				
DT	01-JAN-1900				
XX	Sequence 16, Application US/08321071A.				
DE	Sequence 16, Application US/08321071A.				
XX	Sequence 16, Application US/08321071A.				
CC	Patent No. 5672686				
CC	GENERAL INFORMATION:				
CC	APPLICANT: CHITTENDEN, Thomas D.				
CC	TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS				
CC	NUMBER OF SEQUENCES: 31				
CC	CORRESPONDENCE ADDRESS:				
CC	ADDRESSEE: Hale and Dorr				
CC	STREET: 1455 Pennsylvania Avenue, N.W.				
CC	CITY: Washington				
CC	STATE: D.C.				
CC	ZIP: 20004				
CC	COMPUTER READABLE FORM:				
CC	MEDIUM TYPE: Floppy disk				
CC	COMPUTER: IBM PC compatible				
CC	OPERATING SYSTEM: PC-DOS/MS-DOS				
CC	SOFTWARE: Patent Release #1.0, Version #1.25				
CC	CURRENT APPLICATION DATA:				
CC	APPLICATION NUMBER: US/08/321, 071A				
CC	FILING DATE: 11-OCT-1994				
CC	CLASSIFICATION: 514				
CC	PRIOR APPLICATION DATA:				
CC	APPLICATION NUMBER: PCT/US95/10103				
CC	FILING DATE: 09-AUG-1995				
CC	PRIOR APPLICATION DATA:				
CC	APPLICATION NUMBER: 08/287,427				
CC	FILING DATE: 09-AUG-1994				
CC	ATTORNEY/AGENT INFORMATION:				
CC	NAME: WIXON, HENRY N.				
CC	REGISTRATION NUMBER: 32, 073				
CC	REFERENCE/DOCKET NUMBER: 104322.121CIP				
CC	TELECOMMUNICATION INFORMATION:				
CC	TELEPHONE: 202-942-8400				
CC	TELEFAX: 202-942-8484				
CC	INFORMATION FOR SEQ ID NO: 16:				
CC	SEQUENCE CHARACTERISTICS:				

CC LENGTH: 211 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: peptide  
SQ SEQUENCE 211 AA; 23410 MW; 235207 CN;

Query Match 99.9%; Score 1559; DB 7; Length 211;  
Best Local Similarity 99.5%; Pred. No. 2.88e-127;  
Matches 210; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Db 1 MASQGPPEPQECGEPALPSASEQVADTEEFYRSYVFYRHOOEBAEGVAPADPEM 60  
OY 1 MASQGPPEPQECGEPALPSASEQVADTEEFYRSYVFYRHOOEBAEGVAPADPEM 60  
DB 61 VTLPDPSSTMGQVROLAIGDDINRRYDSEFQTMLOHLOPTAENAYEFTKATSLFE 120  
OY 61 VTLPDPSSTMGQVROLAIGDDINRRYDSEFQTMLOHLOPTAENAYEFTKATSLFE 120  
DB 121 SGIMGRVVALGFGYRLAHVYOHGLTGFGVTRFVYVDMHLHCIARWIAORGWVAA 180  
OY 121 SGIMGRVVALGFGYRLAHVYOHGLTGFGVTRFVYVDMHLHCIARWIAORGWVAA 180  
DB 181 LNLGNGPILNTLVYGVVLLGQFYVRRFRFS 211  
OY 181 LNLGNGPILNTLVYGVVLLGQFYVRRFRFS 211

RESULT 2 STANDARD; PRT; 57 AA.  
ID US-08-321-071A-15  
AC xxxxxx  
DT 01-JAN-1900  
XX Sequence 15, Application US/08321071A.  
XX Sequence 15, Application US/08321071A.  
CC Patent No. 5672686  
CC GENERAL INFORMATION:  
CC APPLICANT: CHITTENDEN, Thomas D.  
CC TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS  
CC NUMBER OF SEQUENCES: 31  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Hale and Dorr  
CC STREET: 1455 Pennsylvania Avenue, N.W.  
CC CITY: Washington  
CC STATE: D.C.  
CC ZIP: 20004  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/321,071A  
CC FILING DATE: 11-OCT-1994  
CC CLASSIFICATION: 514  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US95/10103  
CC FILING DATE: 09-AUG-1995  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 08/287,427  
CC FILING DATE: 09-AUG-1994  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: WIXON, HENRY N.  
CC REGISTRATION NUMBER: 32,073  
CC REFERENCE/DOCKET NUMBER: 104322.121CIP  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-942-8400  
CC TELEFAX: 202-942-8484  
CC INFORMATION FOR SEQ ID NO: 15:

CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 57 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: peptide  
SQ SEQUENCE 57 AA; 6559 MW; 15838 CN;

Query Match 29.0%; Score 453; DB 7; Length 57;  
Best Local Similarity 100.0%; Pred. No. 5.47e-29;  
Matches 54; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 MNGRVALLGFGYRLAHVYOHGLTGFGVTRFVYVDMHLHCIARWIAORGW 54  
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ID US-08-321-071A-21  
AC xxxxxx  
DT 01-JAN-1900  
XX Sequence 21, Application US/08321071A.  
XX Sequence 21, Application US/08321071A.  
CC Patent No. 5672686  
CC GENERAL INFORMATION:  
CC APPLICANT: CHITTENDEN, Thomas D.  
CC TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS  
CC NUMBER OF SEQUENCES: 31  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Hale and Dorr  
CC STREET: 1455 Pennsylvania Avenue, N.W.  
CC CITY: Washington  
CC STATE: D.C.  
CC ZIP: 20004  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/321,071A  
CC FILING DATE: 11-OCT-1994  
CC CLASSIFICATION: 514  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US95/10103  
CC FILING DATE: 09-AUG-1995  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 08/287,427  
CC FILING DATE: 09-AUG-1994  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: WIXON, HENRY N.  
CC REGISTRATION NUMBER: 32,073  
CC REFERENCE/DOCKET NUMBER: 104322.121CIP  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-942-8400  
CC TELEFAX: 202-942-8484  
CC INFORMATION FOR SEQ ID NO: 21:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 54 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: peptide  
SQ SEQUENCE 54 AA; 6172 MW; 15712 CN;

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Matches 54; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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AC xxxxxx  
XX 01-JAN-1900  
DE Sequence 25, Application US/08321071A.  
CC Sequence 25, Application US/08321071A  
CC Patent No. 5672686  
CC GENERAL INFORMATION:  
CC APPLICANT: CHITTENDEN, Thomas D.  
CC TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS  
CC TITLE OF INVENTION: OF USE THEREOF  
CC NUMBER OF SEQUENCES: 31  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Hale and Dorr  
CC STREET: 1455 Pennsylvania Avenue, N.W.  
CC CITY: Washington  
CC STATE: D.C.  
CC ZIP: 20004  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patent Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/321.071A  
CC FILING DATE: 11-OCT-1994  
CC CLASSIFICATION: 514  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US95/10103  
CC FILING DATE: 09-AUG-1995  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 08/287,427  
CC FILING DATE: 09-AUG-1994  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: WIXON, HENRY N.  
CC REGISTRATION NUMBER: 32,073  
CC REFERENCE/DOCKET NUMBER: 104322.121CIP  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-942-8400  
CC TELEFAX: 202-942-8484  
CC INFORMATION FOR SEQ ID NO: 25:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 49 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: peptide  
CC SEQUENCE 49 AA; 5639 MW; 12778 CN;

Query Match 22.2%; Score 347; DB 7; Length 49;  
Best Local Similarity 100.0%; Pred. No. 6.50e-20;  
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 VGRQLAIIIGDDINRRYDSEFQTMLOHQPFAENAYEYFKIATSLFESG 49  
QY 74 VGRQLAIIIGDDINRRYDSEFQTMLOHQPFAENAYEYFKIATSLFESG 122

RESULT 5  
ID PCT-US94-07089-2 STANDARD; PRT; 190 AA.  
AC xxxxxx  
XX

DT 01-JAN-1900  
XX Sequence 2, Application PC/TUS9407089.  
DE Sequence 2, Application PC/TUS9407089.  
XX  
CC GENERAL INFORMATION:  
CC APPLICANT:  
CC TITLE OF INVENTION: Vertebrate Apoptosis Gene:  
CC TITLE OF INVENTION: Compositions and Methods  
CC NUMBER OF SEQUENCES: 9  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Arnold, White & Durkee  
CC STREET: P.O. Box 4433  
CC CITY: Houston  
CC STATE: TX  
CC COUNTRY: United States of America  
CC ZIP: 77210  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS, ASCII  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US94/07089  
CC FILING DATE: CONCURRENTLY FILED  
CC CLASSIFICATION:  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 08/081.448  
CC FILING DATE: 22 JUNE 1993  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: PARKER, David L.  
CC REGISTRATION NUMBER: 32,165  
CC REFERENCE/DOCKET NUMBER: ARCD090  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 512-320-7200  
CC TELEFAX: 713-789-2679  
CC INFORMATION FOR SEQ ID NO: 2:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 190 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
CC SEQUENCE 190 AA; 21467 MW; 192890 CN;

Query Match 17.6%; Score 274; DB 13; Length 190;  
Best Local Similarity 28.2%; Pred. No. 8.75e-14;  
Matches 37; Conservative 33; Mismatches 59; Indels 2; Gaps 2;

Db 60 VVNGATVHRSLSVEHIVRASDVRLRDAGDEFELRYRAFSDLTSLQHTTPTAYQSF 119  
QY 52 VAAPADPEWVTLPIDPSSSTMGVGRQLAIIIGDDINRRYDSEFQTMLOHQPFAENAYEYF 111

Db 120 EQVYNELFHGDGVNWKRIYAFSFGALCVESVDKEMKRVLVGRIVSWMTYLTDR-IDPVI 178  
QY 112 TRIATSLFESGINWGRVALLGFGYRLALHYQHGLTGLGVTVRVVDFMLHCIAARI 171

Db 179 QENGGWVTRL 189  
QY 172 AORGWV-RAAL 181

RESULT 6  
ID US-08-081-448-2 STANDARD; PRT; 190 AA.  
AC xxxxxx  
XX 01-JAN-1900  
DE Sequence 2, Application US/08081448.  
CC Sequence 2, Application US/08081448  
CC Patent No. 5646008  
CC GENERAL INFORMATION:  
CC APPLICANT: Thompson, Craig B.

CC APPLICANT: Boise, Lawrence H.  
CC TITLE OF INVENTION: Vertebrate Apoptosis Gene:  
CC TITLE OF INVENTION: Compositions and Methods  
CC NUMBER OF SEQUENCES: 8  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Arnold, White & Durkee  
CC STREET: 321 No. 5646008th Clark Street, Suite 800  
CC CITY: Chicago  
CC STATE: IL  
CC COUNTRY: USA  
CC ZIP: 60610  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patent Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/081,448  
CC FILING DATE: 19930622  
CC CLASSIFICATION: 424  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: No. 5646008thrup, Thomas E.  
CC REGISTRATION NUMBER: 33,268  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 312-744-0090  
CC TELEFAX: 312-755-4489  
CC INFORMATION FOR SEQ ID NO: 2:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 190 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
CC SEQUENCE 190 AA; 21467 MW; 192890 CN;  
SQ  
Query Match 17.6%; Score 274; DB 7; Length 190;  
Best Local Similarity 28.2%; Pred. No. 8,75e-14;  
Matches 37; Conservative 33; Mismatches 59; Indels 2; Gaps 2;  
DB 60 YVNGATVHRSLEVEHVRASDVROALRDAGDEFELRRRAFSDDLTSOLHTTPEATAYOSF 119  
QY 52 VAAPADPEMTLPLOPSTGWGOGVROLAIGDINRRYDSEFOTMLQHPTAENAYEYF 111  
DB 120 EOYVNELEFHDGVMMGRIVAFSGALCVESYDKEMRVLVGRTVSMNTYTLTDH-LDPWI 178  
QY 112 TKATSLFESGIMNGRVALLGFGYRLALHYTORGLTGFVGQVTRFVYDMLHRCIARWI 171  
DB 179 QENGWVTRAL 189  
QY 172 AORGWV-ALL 181  
RESULT 7  
ID PCT-US95-04600-29 STANDARD; PRT; 236 AA.  
AC xxxxxx  
XX 01-JAN-1900  
DE Sequence 29, Application PC/TUS9504600.  
XX Sequence 29, Application PC/TUS9504600  
CC GENERAL INFORMATION:  
CC APPLICANT: LA JOLLA CANCER RESEARCH FOUNDATION  
CC TITLE OF INVENTION: Interaction of Proteins Involved in  
CC TITLE OF INVENTION: a Cell Death Pathway  
CC NUMBER OF SEQUENCES: 29  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Campbell and Flores  
CC STREET: 4370 La Jolla Village Drive, Suite 700  
CC CITY: San Diego  
CC STATE: California  
CC COUNTRY: USA

CC ZIP: 92122  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patent Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US95/04600  
CC FILING DATE: 12-APR-1995  
CC CLASSIFICATION:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Imbra, Richard J.  
CC REGISTRATION NUMBER: 37,643  
CC REFERENCE/DOCKET NUMBER: FP-LJ 1361  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (619) 535-8949  
CC TELEFAX: (619) 535-9001  
CC INFORMATION FOR SEQ ID NO: 29:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 236 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
CC SEQUENCE 236 AA; 26679 MW; 437248 CN;  
SQ  
Query Match 17.3%; Score 270; DB 14; Length 236;  
Best Local Similarity 28.3%; Pred. No. 1.88e-13;  
Matches 30; Conservative 24; Mismatches 51; Indels 1; Gaps 1;  
DB 94 LRRAGDXFKRRYKFXKXMXOLHLPXTAXXXFYVXELFEDGVNMGRIYAFYFGGX 153  
QY 78 LAIIGDINRRYDSEFOTMLQHPTAENAYEFTIATSLFESGIMNGRVALLGFGYR 137  
DB 154 MCYXSYXXEXKPLVXXIAXMWTYYLNRH-LXXMIGQNGMDXVEL 198  
QY 138 LALHYTORGLTGFVGQVTRFVYDMLHRCIARWIAORGWVALLNL 183  
RESULT 8  
ID US-08-607-269-29 STANDARD; PRT; 236 AA.  
AC xxxxxx  
XX 01-JAN-1900  
DE Sequence 29, Application US/08607269.  
XX Sequence 29, Application US/08607269  
CC Patent No. 5702897  
CC GENERAL INFORMATION:  
CC APPLICANT: Reed, John C.  
CC APPLICANT: Sato, Takaki  
CC TITLE OF INVENTION: Interaction of Proteins Involved in a  
CC TITLE OF INVENTION: Cell Death Pathway  
CC NUMBER OF SEQUENCES: 29  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Campbell and Flores  
CC STREET: 4370 La Jolla Village Drive, Suite 700  
CC CITY: San Diego  
CC STATE: California  
CC COUNTRY: USA  
CC ZIP: 92122  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patent Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/607,269  
CC FILING DATE:  
CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/226,876  
CC FILING DATE: 13-APR-1994

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CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Campbell, Cathryn A.  
CC REGISTRATION NUMBER: 31,615  
CC REFERENCE/DOCKET NUMBER: P-LJ 9882  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (619) 535-9001  
CC TELEFAX: (619) 535-8949  
CC INFORMATION FOR SEQ ID NO: 29:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 236 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
SQ SEQUENCE 236 AA; 26679 MW; 437248 CN;  
  
Query Match 17.3%; Score 270; DB 8; Length 236;  
Best Local Similarity 28.3%; Pred.No.1.88e-13;  
Matches 30; Conservative 24; Mismatches 51; Indels 1; Gaps 1;  
  
Db 94 LRRAGDFFXRRYXXKFXMMXXQLHLTXLTKXXXVXYXELFRGCVMGWGVAAFFXGGX 153  
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QY 78 LAIGDDINRRYYDESEPTMLOHLPTEMAEYETFKIATSLFESGINWGVRVALLGFGYR 137  
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : :  
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QY 138 LALHYQHGLTGFVGQYTRFYVDMLHCIRAKIAQNGGWVALNL 183  
  
RESULT 9  
ID PCT-US95-04600-24 STANDARD; PRT: 233 AA.  
XX AC xxxxxx  
XX DT 01-JAN-1900  
XX Sequence 24, Application PC/TUS9504600.  
DE Sequence 24, Application PC/TUS9504600  
CC- GENERAL INFORMATION:  
CC APPLICANT: LA JOLLA CANCER RESEARCH FOUNDATION  
CC TITLE OF INVENTION: Interaction of Proteins Involved In  
CC TITLE OF INVENTION: a Cell Death Pathway  
CC NUMBER OF SEQUENCES: 29  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Campbell and Flores  
CC STREET: 4370 La Jolla Village Drive, Suite 700  
CC City: San Diego  
CC STATE: California  
CC COUNTRY: USA  
CC ZIP: 92122  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: PatentIn Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US95/04600  
CC FILING DATE: 12-Apr-1995  
CC CLASSIFICATION:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Imbra, Richard J.  
CC REGISTRATION NUMBER: 37,643  
CC REFERENCE/DOCKET NUMBER: FP-LJ 1361  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (619) 535-9001  
CC TELEFAX: (619) 535-8949  
CC INFORMATION FOR SEQ ID NO: 24:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 233 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
SQ SEQUENCE 233 AA; 26063 MW; 275311 CN;  
  
Query Match 17.0%; Score 266; DB 14; Length 233;
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Oy	48	EAEVGAAPADEWMTLPLQPSSTMGQVGRQALATIGDDINRRYDSEFQTMLOHLOPTAENA	107
Db	120	YQSEQVYNLEFRQGVMMGRIVAFPSFGGALCVSVKQVLYSRIAAMATYLNH-L	178
Oy	108	YEYFKTATSLFESGIMMGRVALLGEGYRLAHVYOHGLTGLGYTRFVWDFMLHCH	167
Db	179	EPWIOENGMDTFEVLXGNN	199
Oy	168	ARWIAQRGWYALNL-GNGP	187
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ID	PCT-US94-07089-7		
XX	xxxxxx		
XX	01-JAN-1900		
DE	Sequence 7, Application PC/TUS9407089.		
XX	Sequence 7, Application PC/TUS9407089		
CC	GENERAL INFORMATION:		
CC	APPLICANT:		
CC	TITLE OF INVENTION: Vertebrate Apoptosis Gene:		
CC	TITLE OF INVENTION: Compositions and Methods		
CC	NUMBER OF SEQUENCES: 9		
CC	CORRESPONDENCE ADDRESS:		
CC	ADDRESSEE: Arnold, White & Durkee		
CC	STREET: P.O. Box 4433		
CC	CITY: Houston		
CC	STATE: TX		
CC	COUNTRY: United States of America		
CC	ZIP: 77210		
CC	COMPUTER READABLE FORM:		
CC	MEDIUM TYPE: Floppy disk		
CC	COMPUTER: IBM PC compatible		
CC	OPERATING SYSTEM: PC-DOS/MS-DOS, ASCII		
CC	CURRENT APPLICATION DATA:		
CC	APPLICATION NUMBER: PCT/US94/07089		
CC	FILING DATE: CONCURRENTLY FILED		
CC	CLASSIFICATION:		
CC	PRIOR APPLICATION DATA:		
CC	APPLICATION NUMBER: 08/081.448		
CC	FILING DATE: 22 JUNE 1993		
CC	ATTORNEY/AGENT INFORMATION:		
CC	NAME: PARKER, David L.		
CC	REGISTRATION NUMBER: 32,165		
CC	REFERENCE/DOCKET NUMBER: ARCD090		
CC	TELECOMMUNICATION INFORMATION:		
CC	TELEPHONE: 512-320-7200		
CC	TELEFAX: 713-789-2679		
CC	INFORMATION FOR SEQ ID NO: 7:		
CC	SEQUENCE CHARACTERISTICS:		
CC	LENGTH: 233 amino acids		
CC	TYPE: amino acid		
CC	TOPOLOGY: linear		
CC	MOLECULE TYPE: protein		
CC	SEQUENCE 233 AA; 26049 MW; 275801 CN;		
SO			
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Matches 36;	Conservative 42;	Mismatches 60;	Indels 3; Gaps 3
Db	61	DSPAVNGATGHS-SSLDAREVYIPMAAVKQALREAGDEFELRYRRAFSDLTSQALHTPGTA	119
Oy	48	EAEVGAAPADEWMTLPLQPSSTMGQVGRQALATIGDDINRRYDSEFQTMLOHLOPTAENA	107
Db	120	YQSEQVYNLEFRQGVMMGRIVAFPSFGGALCVSVKQVLYSRIAAMATYLNH-L	178
Oy	108	YEYFKTATSLFESGIMMGRVALLGEGYRLAHVYOHGLTGLGYTRFVWDFMLHCH	167
Db	179	EPWIOENGMDTFEVLXGNN	199
Oy	168	ARWIAQRGWYALNL-GNGP	187
RESULT	10	STANDARD;	PRT; 233 AA.
ID	PCT-US94-07089-7		
XX	xxxxxx		
XX	01-JAN-1900		
DE	Sequence 7, Application PC/TUS9407089.		
XX	Sequence 7, Application PC/TUS9407089		
CC	GENERAL INFORMATION:		
CC	APPLICANT:		
CC	TITLE OF INVENTION: Vertebrate Apoptosis Gene:		
CC	TITLE OF INVENTION: Compositions and Methods		
CC	NUMBER OF SEQUENCES: 9		
CC	CORRESPONDENCE ADDRESS:		
CC	ADDRESSEE: Arnold, White & Durkee		
CC	STREET: P.O. Box 4433		
CC	CITY: Houston		
CC	STATE: TX		
CC	COUNTRY: United States of America		
CC	ZIP: 77210		
CC	COMPUTER READABLE FORM:		
CC	MEDIUM TYPE: Floppy disk		
CC	COMPUTER: IBM PC compatible		
CC	OPERATING SYSTEM: PC-DOS/MS-DOS, ASCII		
CC	CURRENT APPLICATION DATA:		
CC	APPLICATION NUMBER: PCT/US94/07089		
CC	FILING DATE: CONCURRENTLY FILED		
CC	CLASSIFICATION:		
CC	PRIOR APPLICATION DATA:		
CC	APPLICATION NUMBER: 08/081.448		
CC	FILING DATE: 22 JUNE 1993		
CC	ATTORNEY/AGENT INFORMATION:		
CC	NAME: PARKER, David L.		
CC	REGISTRATION NUMBER: 32,165		
CC	REFERENCE/DOCKET NUMBER: ARCD090		
CC	TELECOMMUNICATION INFORMATION:		
CC	TELEPHONE: 512-320-7200		
CC	TELEFAX: 713-789-2679		
CC	INFORMATION FOR SEQ ID NO: 7:		
CC	SEQUENCE CHARACTERISTICS:		
CC	LENGTH: 233 amino acids		
CC	TYPE: amino acid		
CC	TOPOLOGY: linear		
CC	MOLECULE TYPE: protein		
CC	SEQUENCE 233 AA; 26049 MW; 275801 CN;		
SO			
Query Match	17.0%;	Score 266;	DB 13; Length 233;
Best Local Similarity	25.5%;	Pred. No. 4.03e-13;	
Matches 36;	Conservative 42;	Mismatches 60;	Indels 3; Gaps 3
Db	61	DSPAVNGATGHS-SSLDAREVYIPMAAVKQALREAGDEFELRYRRAFSDLTSQALHTPGTA	119
Oy	48	EAEVGAAPADEWMTLPLQPSSTMGQVGRQALATIGDDINRRYDSEFQTMLOHLOPTAENA	107
Db	120	YQSEQVYNLEFRQGVMMGRIVAFPSFGGALCVSVKQVLYSRIAAMATYLNH-L	178
Oy	108	YEYFKTATSLFESGIMMGRVALLGEGYRLAHVYOHGLTGLGYTRFVWDFMLHCH	167
Db	179	EPWIOENGMDTFEVLXGNN	199
Oy	168	ARWIAQRGWYALNL-GNGP	187

108 YEYFKIKATSLFESGINSNGRVALLGFGYRLALHYHGLGFLGQYTRFYVDFMLHICI 167  
179 EPMIOENCGMDTFVELYGNNA 199  
168 ARWIAORGGWVAALNL-GNGP 187

RESULT 11  
ID US-08-081-448-6 STANDARD; PRT; 233 AA.  
AC xxxxxx  
DT 01-JAN-1900  
XX Sequence 6, Application US/08081448.  
DE Sequence 6, Application US/08081448.  
XX Patent No. 5646008  
CC GENERAL INFORMATION:  
CC APPLICANT: Thompson, Craig B.  
CC APPLICANT: Bolise, Lawrence H.  
CC TITLE OF INVENTION: Vertebrate Apoptosis Gene:  
CC TITLE OF INVENTION: Compositions and Methods  
CC NUMBER OF SEQUENCES: 8  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSES: Arnold, White & Durkee  
CC STREET: 321 No. 5646008th Clark Street, Suite 800  
CC CITY: Chicago  
CC STATE: IL  
CC COUNTRY: USA  
CC ZIP: 60610  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentln Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/081,448  
CC FILING DATE: 19930622  
CC CLASSIFICATION: 424  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: No. 5646008thrup, Thomas E.  
CC REGISTRATION NUMBER: 33,268  
CC REFERENCE/DOCKET NUMBER: ARCD090  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 312-744-0090  
CC TELEFAX: 312-755-4489  
CC INFORMATION FOR SEQ ID NO: 6:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 233 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
SQ SEQUENCE 233 AA; 26063 MW; 275311 CN;  
Query Match 17.0%; Score 266; DB 7; Length 233;  
Best Local Similarity 25.5%; Pred. No. 4,03e-13;  
Matches 36; Conservative 42; Mismatches 60; Indels 3; Gaps 3;  
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OY 48 EAEVGAAPADPEWVTLPLQPSSTMGVGRQLAIGDDINRRYDSEFOTMLQHLQPTAENA 107  
OY 120 YOSEFOVYNLEFRDGVNMGRIYAFESFGALCVESVDKEMQVLSRIAAMMATYLNH-L 178  
OY 108 YEYFKIKATSLFESGINSNGRVALLGFGYRLALHYHGLGFLGQYTRFYVDFMLHICI 167  
Db 179 EPMIOENCGMDTFVELYGNNA 199  
OY 168 ARWIAORGGWVAALNL-GNGP 187

RESULT 12  
ID US-08-607-269-24 STANDARD; PRT; 233 AA.  
AC xxxxxx  
DT 01-JAN-1900  
XX Sequence 24, Application US/08607269.  
DE Sequence 24, Application US/08607269.  
XX Patent No. 5702897  
CC GENERAL INFORMATION:  
CC APPLICANT: Reed, John C.  
CC APPLICANT: Sato, Takaki  
CC TITLE OF INVENTION: Interaction of Proteins Involved in a  
CC TITLE OF INVENTION: Cell Death Pathway  
CC NUMBER OF SEQUENCES: 29  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSES: Campbell and Flores  
CC STREET: 4370 La Jolla Village Drive, Suite 700  
CC CITY: San Diego  
CC STATE: California  
CC COUNTRY: USA  
CC ZIP: 92122  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentln Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/607,269  
CC FILING DATE: 19930622  
CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/226,876  
CC FILING DATE: 13-APR-1994  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Campbell, Cathryn A.  
CC REGISTRATION NUMBER: 31,815  
CC REFERENCE/DOCKET NUMBER: P-LJ 9882  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (619) 535-9001  
CC TELEFAX: (619) 535-8949  
CC INFORMATION FOR SEQ ID NO: 24:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 233 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
SQ SEQUENCE 233 AA; 26063 MW; 275311 CN;  
Query Match 17.0%; Score 266; DB 8; Length 233;  
Best Local Similarity 25.5%; Pred. No. 4,03e-13;  
Matches 36; Conservative 42; Mismatches 60; Indels 3; Gaps 3;  
Db 61 DSPAVNATATNS-SSLAREYIPMAAYKQALREAGDEFELRYRAFSDLTQSOLHTTPTA 119  
OY 48 EAEVGAAPADPEWVTLPLQPSSTMGVGRQLAIGDDINRRYDSEFOTMLQHLQPTAENA 107  
OY 120 YOSEFOVYNLEFRDGVNMGRIYAFESFGALCVESVDKEMQVLSRIAAMMATYLNH-L 178  
OY 108 YEYFKIKATSLFESGINSNGRVALLGFGYRLALHYHGLGFLGQYTRFYVDFMLHICI 167  
Db 179 EPMIOENCGMDTFVELYGNNA 199  
OY 168 ARWIAORGGWVAALNL-GNGP 187  
RESULT 13  
ID US-08-333-565-59 STANDARD; PRT; 233 AA.  
AC xxxxxx  
DT 01-JAN-1900

XX		Sequence 59, Application US/08333565.		
DE				
CC		Sequence 59, Application US/08333565		
CC		Patent No. 5622852		
CC		GENERAL INFORMATION:		
CC		APPLICANT: KORSMEYER, Stanley J.		
CC		TITLE OF INVENTION: Bcl-x/Bcl-2 ASSOCIATED CELL DEATH		
CC		TITLE OF INVENTION: REGULATOR		
CC		NUMBER OF SEQUENCES: 59		
CC		CORRESPONDENCE ADDRESSES:		
CC		ADDRESSEE: Townsend and Townsend Khourile and Crew		
CC		STREET: 379 Lytton Avenue		
CC		City: Palo Alto		
CC		STATE: California		
CC		COUNTRY: US		
CC		ZIP: 94301		
CC		COMPUTER READABLE FORM:		
CC		MEDIUM TYPE: Floppy disk		
CC		COMPUTER: IBM PC compatible		
CC		OPERATING SYSTEM: PC-DOS/MS-DOS		
CC		SOFTWARE: Patent In Release #1.0, Version #1.25		
CC		CURRENT APPLICATION DATA:		
CC		APPLICATION NUMBER: US/08/333,565		
CC		FILING DATE: 31-OCT-1994		
CC		CLASSIFICATION: 435		
CC		ATTORNEY/AGENT INFORMATION:		
CC		NAME: Smith, William M		
CC		REGISTRATION NUMBER: 30,223		
CC		REFERENCE/DOCKET NUMBER: 15726A-000700		
CC		TELECOMMUNICATION INFORMATION:		
CC		TELEPHONE: (415) 326-2400		
CC		TELEFAX: (415) 326-2422		
CC		INFORMATION FOR SEQ ID NO: 59:		
CC		SEQUENCE CHARACTERISTICS:		
CC		LENGTH: 233 amino acids		
CC		TYPE: amino acid		
CC		STRANDEDNESS: single		
CC		TOPOLOGY: unknown		
CC		MOLECULE TYPE: peptide		
SQ		SEQUENCE 233 AA; 26049 MW; 275801 CN;		
	Query Match	17.0%;	Score 266;	DB 7;
	Best Local Similarity	25.5%;	Pred. No. 4.03e-13;	Length 233;
	Matches 36;	Conservative 42;	Mismatches 60;	Indels 3; Gaps 3.
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Dd	120 YOSEFOVNVNELFRDGVNMGRIIVAFESFGALCVESVDXKEMOVLVSRTAAWMTYLNDH-L	178		
Oy	108 YEYFKINTSLSESSIMNGRVALLGGFYRLALAHYYOHGLTGFLGQYTRFYVDMLHCHI	167		
Dd	179 EPWIOENGMDTFEVELYGNA	199		
Oy	168 ARWIAORGWVAALNL-GNGP	187		
RESULT 14				
ID	PCT-US96-06122-14	STANDARD;	PRT;	36 AA.
XX	xxxxxx			
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DT	01-JAN-1900			
XX				
DE	Sequence 14, Application PC/TUS9606122.			
CC	Sequence 14, Application PC/TUS9606122			
CC	GENERAL INFORMATION:			
CC	APPLICANT: IMMUNOGEN, INC.			
CC	TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS			
CC	TITLE OF INVENTION: WHICH MODULATE APOPTOSIS			

CC		NUMBER OF SEQUENCES:	34
CC		CORRESPONDENCE ADDRESS:	
CC		ADDRESSEE:	Hale and Dorr
CC		STREET:	1455 Pennsylvania Avenue, N.W.
CC		CITY:	Washington
CC		STATE:	D.C.
CC		ZIP:	20004
CC		COMPUTER READABLE FORM:	
CC		MEDIUM TYPE:	Floppy disk
CC		OPERATING SYSTEM:	IBM PC compatible
CC		SOFTWARE:	Patent Release #1.0, Version #1.25
CC		CURRENT APPLICATION DATA:	
CC		APPLICATION NUMBER:	PCT/US96/06122
CC		FILING DATE:	HEREWITH
CC		CLASSIFICATION:	
CC		PRIOR APPLICATION DATA:	
CC		APPLICATION NUMBER:	US 08/440,391
CC		FILING DATE:	12-MAY-1995
CC		CLASSIFICATION:	
CC		ATTORNEY/AGENT INFORMATION:	
CC		NAME:	WIXON, HENRY N.
CC		REGISTRATION NUMBER:	32,073
CC		REFERENCE/DOCKET NUMBER:	104322.147PCT
CC		TELECOMMUNICATION INFORMATION:	
CC		TELEPHONE:	202-942-8400
CC		TELEFAX:	202-942-8484
CC		INFORMATION FOR SEQ ID NO:	14:
CC		SEQUENCE CHARACTERISTICS:	
CC		LENGTH:	36 base pairs
CC		TYPE:	amino acid
CC		TOPOLOGY:	linear
CC		MOLECULE TYPE:	peptide
CC		SEQUENCE	36 AA; 4120 MW; 6096 CN;
SQ			
		Query Match	16.7% Score 260; DB 15; Length 36;
		Best Local Similarity	100.0%; Pred. No. 1,26e-12;
		Matches	36; Conservative 0; Mismatches 0; Indels 0;
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Oy		65 LQPSTMGVGRQLAIIGDDIRRRYSEFOTMLQH	100
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XX	01-JAN-1900		
DT			
DE		Sequence 14, Application US/08440391.	
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CC		Sequence 14, Application US/08440391	
CC		Patent No. 5656725	
CC		GENERAL INFORMATION:	
CC		APPLICANT: CHITTENDEN, Thomas D.; and	
CC		APPLICANT: LUTZ, Robert J.	
CC		TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS WHICH	
CC		TITLE OF INVENTION: MODULATE APOPTOSIS	
CC		NUMBER OF SEQUENCES: 34	
CC		CORRESPONDENCE ADDRESS:	
CC		ADDRESSEE: Hale and Dorr	
CC		STREET: 1455 Pennsylvania Avenue, N.W.	
CC		CITY: Washington	
CC		STATE: D.C.	
CC		ZIP: 20004	
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CC		MEDIUM TYPE: Floppy disk	
CC		COMPUTER: IBM PC compatible	
CC		OPERATING SYSTEM: PC-DOS/MS-DOS	
CC		SOFTWARE: Patentn Release #1.0, Version #1.25	
CC		CURRENT APPLICATION DATA:	

CC APPLICATION NUMBER: US/08/440,391  
 CC FILING DATE: 12-MAY-1995  
 CC CLASSIFICATION: 435  
 CC ATTORNEY/AGENT INFORMATION:  
 CC NAME: WIXON, HENRY N.  
 CC REGISTRATION NUMBER: 32,073  
 CC REFERENCE/DOCKET NUMBER: 104322.147  
 CC TELECOMMUNICATION INFORMATION:  
 CC TELEPHONE: 202-942-8400  
 CC TELEFAX: 202-942-8484  
 CC INFORMATION FOR SEQ ID NO: 14:  
 CC SEQUENCE CHARACTERISTICS:  
 CC LENGTH: 36 base pairs  
 CC TYPE: amino acid  
 CC TOPOLOGY: linear  
 CC MOLECULE TYPE: peptide  
 CC SEQUENCE 36 AA: 4120 MW: 6096 CN;

Query Match 16.7% Score 260; DB 7; Length 36;  
 Best Local Similarity 100.0%; Pred. No. 1,26e-12;  
 Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 LQPSITMGVGRQLAIIIGDDINRRYDSEFQTMLOHL 36  
 ||||||||||||||||||||||||||||||||  
 QY 65 LQPSITMGVGRQLAIIIGDDINRRYDSEFQTMLOHL 100

Search completed: Wed May 6 09:34:40 1998  
 Job time : 17 secs.

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M P E R E I R I  
(TM)  
\*\*\*\*\*

Release 3.0.5NA John F. Collins, Biocomputing Research Unit.  
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Mpsrch\_p protein - protein database search, using Smith-Waterman algorithm  
Run on: Wed May 6 09:37:57 1998; MasPar time 3.48 Seconds  
Tabular output not generated. 347.077 Million cell updates/sec

Title: >US-08-320-157-9  
Description: (1-211) from US08320157.pep  
Perfect Score: 1534  
Sequence: 1 MASGGGPGPPRGCEGEPALP.....LVLGVLLGDFVRRFRFS 211

Scoring table: PAM 150  
Gap 11

Searched: 62627 seqs, 5720858 residues

Post-processing: Minimum Match 0%  
Listing first 45 summaries

Database: a-issued  
1:back1 2:51 3:52 4:53 5:54 6:55 7:56 8:57 9:PCU90  
10:PCU91 11:PCU92 12:PCU93 13:PCU94 14:PCU95 15:PCU96

Statistics: Mean 30.614; Variance 144.887; scale 0.211

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description	Pred. No.
1	1527	98.3	211	7	US-08-321-	Sequence 16, Applicati	9.20e-125
2	438	28.2	57	7	US-08-321-	Sequence 11, Applicati	8.85e-28
3	387	24.9	54	7	US-08-321-	Sequence 21, Applicati	2.17e-23
4	344	22.1	49	7	US-08-321-	Sequence 25, Applicati	1.01e-19
5	271	17.4	190	13	PCT-US94-0	Sequence 2, Applicatio	1.40e-13
6	271	17.4	190	7	US-08-081-	Sequence 2, Applicatio	1.40e-13
7	266	17.1	233	14	PCT-US95-0	Sequence 23, Applicati	3.66e-13
8	266	17.1	233	8	US-08-607-	Sequence 23, Applicati	3.66e-13
9	264	17.0	233	14	PCT-US95-0	Sequence 24, Applicati	5.36e-13
10	264	17.0	233	13	PCT-US94-0	Sequence 7, Applicatio	5.36e-13
11	264	17.0	233	7	US-08-081-	Sequence 6, Applicatio	5.36e-13
12	264	17.0	233	8	US-08-607-	Sequence 24, Applicati	5.36e-13
13	264	17.0	233	7	US-08-321-	Sequence 59, Applicati	5.36e-13
14	263	16.9	236	8	US-08-607-	Sequence 29, Applicati	6.49e-13
15	263	16.9	236	14	PCT-US95-0	Sequence 29, Applicati	6.49e-13
16	260	16.7	36	15	PCT-US95-0	Sequence 14, Applicati	1.15e-12
17	260	16.7	36	7	US-08-440-	Sequence 14, Applicati	1.15e-12
18	260	16.7	205	7	US-08-081-	Sequence 4, Applicatio	1.15e-12
19	260	16.7	205	8	US-08-248-	Sequence 13, Applicati	1.15e-12
20	260	16.7	205	13	PCT-US94-0	Sequence 5, Applicatio	1.15e-12
21	260	16.7	205	1	5459251-4	Patent No. 5459251.	1.15e-12
22	260	16.7	205	1	5506344-5	Patent No. 5506344.	1.15e-12

23	260	16.7	205	7	US-08-333-	Sequence 52, Applicati	1.15e-12
24	260	16.7	239	1	5506344-2	Patent No. 5506344.	1.15e-12
25	260	16.7	239	7	US-08-333-	Sequence 51, Applicati	1.15e-12
26	260	16.7	239	8	US-08-248-	Sequence 12, Applicati	1.15e-12
27	260	16.7	239	1	5459251-2	Patent No. 5459251.	1.15e-12
28	260	16.7	239	12	PCT-US93-0	Sequence 20, Applicatio	1.15e-12
29	259	16.7	239	14	PCT-US95-0	Sequence 5, Applicatio	1.15e-12
30	259	16.7	239	8	US-08-607-	Sequence 20, Applicati	1.39e-12
31	256	16.5	239	8	US-08-248-	Sequence 10, Applicati	2.46e-12
32	256	16.5	239	7	US-08-112-	Sequence 10, Applicati	2.46e-12
33	253	16.3	154	5	US-08-077-	Sequence 3, Applicatio	4.36e-12
34	251	16.2	236	8	US-08-248-	Sequence 11, Applicati	6.37e-12
35	251	16.2	236	14	PCT-US95-0	Sequence 22, Applicati	6.37e-12
36	251	16.2	236	7	US-08-112-	Sequence 11, Applicati	6.37e-12
37	251	16.2	236	8	US-08-607-	Sequence 22, Applicati	6.37e-12
38	250	16.1	236	8	US-08-607-	Sequence 21, Applicati	7.71e-12
39	250	16.1	236	14	PCT-US95-0	Sequence 21, Applicati	7.71e-12
40	226	14.5	31	15	PCT-US96-0	Sequence 16, Applicati	7.15e-10
41	226	14.5	31	7	US-08-440-	Sequence 3, Applicatio	7.15e-10
42	226	14.5	31	7	US-08-440-	Sequence 16, Applicati	7.15e-10
43	226	14.5	31	15	PCT-US96-0	Sequence 3, Applicatio	7.15e-10
44	221	14.2	192	8	US-08-248-	Sequence 8, Applicatio	1.83e-09
45	221	14.2	192	7	US-08-112-	Sequence 8, Applicatio	1.83e-09

## ALIGNMENTS

RESULT 1  
ID US-08-321-071A-16 STANDARD; PRT; 211 AA.

AC xxxxxx  
DT 01-JAN-1900  
XX

DE Sequence 16, Application US/08321071A.

CC Sequence 16, Application US/08321071A  
CC Patent No. 5672686

CC GENERAL INFORMATION:

CC APPLICANT: CHITTENDEN, Thomas D.

CC TITLE OF INVENTION: OF USE THEREOF

CC NUMBER OF SEQUENCES: 31

CC CORRESPONDENCE ADDRESSES:

CC ADDRESSEE: Hale and Dorr

CC STREET: 1455 Pennsylvania Avenue, N.W.

CC CITY: Washington

CC STATE: D.C.

CC ZIP: 20004

CC COMPUTER READABLE FORM:

CC MEDIUM TYPE: Floppy disk

CC OPERATING SYSTEM: PC-DOS/MS-DOS

CC SOFTWARE: Patent Release #1.0, Version #1.25

CC CURRENT APPLICATION DATA:

CC APPLICATION NUMBER: US/08/321,071A

CC FILING DATE: 11-OCT-1994

CC CLASSIFICATION: 514

CC PRIOR APPLICATION DATA:

CC APPLICATION NUMBER: PCT/US95/10103

CC FILING DATE: 09-AUG-1995

CC PRIOR APPLICATION DATA:

CC APPLICATION NUMBER: 08/287,427

CC FILING DATE: 09-AUG-1994

CC ATTORNEY/AGENT INFORMATION:

CC NAME: WIXON, HENRY N.

CC REGISTRATION NUMBER: 32,073

CC REFERENCE/DOCKET NUMBER: 104322.121CIP

CC TELECOMMUNICATION INFORMATION:

CC TELEPHONE: 202-942-8400

CC TELEFAX: 202-942-8484

CC INFORMATION FOR SEQ ID NO: 16:

CC SEQUENCE CHARACTERISTICS:

CC LENGTH: 211 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: peptide  
SQ SEQUENCE 211 AA; 23410 MW; 235207 CN;

Query Match  
Best Local Similarity 96.7%; Score 1527; DB 7; Length 211;  
Matches 204; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

Db 1 MASGGGPPPPROEGEPALPSASEBQVADTEEVFRSTVYRHOEDPAEVAAPADEM 60  
QY 1 MASGGGPPPPROEGEPALPSASEBQVADTEEVFRSTVYRHOEDPAEVAAPADEM 60  
Db 61 VTLPLOPSTMGQVGRQALAIIGDDINRRYDSEFOTMLOHPTAENAYETTKATSLFE 120  
QY 61 VTLPLOPSTMGQVGRQALAIIGDDINRRYDSEFOTMLOHPTAENAYETTKATSLFE 120  
Db 121 SGIDMGRRVALLGFGRYRLAHYOHGLTGFVGQVTRFVVDMLHHCIARWIAORGWVAA 180  
QY 121 SGIDMGRRVALLGFGRYRLAHYOHGLTGFVGQVTRFVVDMLHHCIARWIAORGWVAA 180  
Db 181 LNLGNGPILNLVYLVGVVLLGQFVVRREFKS 211  
QY 181 LNLGNGPILNLVYLVGVVLLGQFVVRREFKS 211

RESULT 2  
ID US-08-321-071A-15 STANDARD; PRT; 57 AA.  
XX xxxxxx  
XX 01-JAN-1900  
DE Sequence 15, Application US/08321071A.  
CC Sequence 15, Application US/08321071A  
CC Patent No. 5672686  
CC GENERAL INFORMATION:  
CC APPLICANT: CHITTENDEN, Thomas D.  
CC TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-X, AND METHODS  
CC TITLE OF INVENTION: OF USE THEREOF  
CC NUMBER OF SEQUENCES: 31  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Hale and Dorr  
CC STREET: 1455 Pennsylvania Avenue, N.W.  
CC CITY: Washington  
CC STATE: D.C.  
CC ZIP: 20004  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/321,071A  
CC FILING DATE: 11-OCT-1994  
CC CLASSIFICATION: 514  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US95/10103  
CC FILING DATE: 09-AUG-1995  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 08/287,427  
CC FILING DATE: 09-AUG-1994  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: WIXON, HENRY N.  
CC REGISTRATION NUMBER: 32,073  
CC REFERENCE/DOCKET NUMBER: 104322.121CIP  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-942-8400  
CC TELEFAX: 202-942-8484  
CC INFORMATION FOR SEQ ID NO: 15:

CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 57 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: peptide  
SQ SEQUENCE 57 AA; 6559 MW; 15838 CN;

Query Match  
Best Local Similarity 94.4%; Score 438; DB 7; Length 57;  
Matches 51; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Db 1 NMGRVALLGFGRYRLAHYOHGLTGFVGQVTRFVVDMLHHCIARWIAORGW 54  
QY 124 NMGRVALLGFGRYRLAHYOHGLTGFVGQVTRFVVDMLHHCIARWIAORGW 177

RESULT 3  
ID US-08-321-071A-21 STANDARD; PRT; 54 AA.  
XX xxxxxx  
XX 01-JAN-1900  
DE Sequence 21, Application US/08321071A.  
CC Sequence 21, Application US/08321071A  
CC Patent No. 5672686  
CC GENERAL INFORMATION:  
CC APPLICANT: CHITTENDEN, Thomas D.  
CC TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-X, AND METHODS  
CC TITLE OF INVENTION: OF USE THEREOF  
CC NUMBER OF SEQUENCES: 31  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Hale and Dorr  
CC STREET: 1455 Pennsylvania Avenue, N.W.  
CC CITY: Washington  
CC STATE: D.C.  
CC ZIP: 20004  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/321,071A  
CC FILING DATE: 11-OCT-1994  
CC CLASSIFICATION: 514  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US95/10103  
CC FILING DATE: 09-AUG-1995  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 08/287,427  
CC FILING DATE: 09-AUG-1994  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: WIXON, HENRY N.  
CC REGISTRATION NUMBER: 32,073  
CC REFERENCE/DOCKET NUMBER: 104322.121CIP  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-942-8400  
CC TELEFAX: 202-942-8484  
CC INFORMATION FOR SEQ ID NO: 21:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 54 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: peptide  
SQ SEQUENCE 54 AA; 6172 MW; 15712 CN;

Query Match  
Best Local Similarity 96.3%; Score 387; DB 7; Length 54;  
Matches 52; Conservative 2; Mismatches 0; Indels 0; Gaps 0;





[illegible]

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CC      INFORMATION FOR SEQ ID NO: 24:
CC      SEQUENCE CHARACTERISTICS:
CC          LENGTH: 233 amino acids
CC          TYPE: amino acid
CC          TOPOLOGY: linear
SQ      SEQUENCE   233 AA; 26063 MW; 275311 CN;

Query Match          17.0%; Score 264; DB 14; Length 233;
Best Local Similarity 28.0%; Pred. No. 5,36e-13;
Matches      33; Conservative 37; Mismatches 46; Indels 2; Gaps 2;

Db      83 MAAVQALREAGDEFELRYRAAFSDLTASQIHPTGTAQSFQEDVWNLFFRDGVNMGRIVA 142
Qy      71 MGQVGRQALATIGDDINRRYDSEFOTMLQHQIPRENAEYFTFKIASLFEFGSGINMGRIYA 130
Db      143 FFSFGALCVESVDKENQVIVSRIAAMATYLANDH-LEPMIOENGWDPEVELYGNNA 199
Qy      131 LGRSVRLALHTVGRGLTFLGQVTRVVDPMLHHCARIQAQRGVVALNLN-GNGP 187

RESULT  10
ID      PCT-US94-07089-7          STANDARD;          PRT;          233 AA.
XX      AC      xxxxxx
XX      DT      01-JAN-1900
XX      DE      Sequence 7, Application PC/TUS9407089.
XX      SE      Sequence 7, Application PC/TUS9407089
CC      GENERAL INFORMATION:
CC      APPLICANT:
CC      TITLE OF INVENTION: Vertebrate Apoptosis Gene:
CC      TITLE OF INVENTION: Compositions and Methods
CC      NUMBER OF SEQUENCES: 9
CC      CORRESPONDENCE ADDRESS:
CC      ADDRESSEE: Arnold, White & Durkee
CC      STREET: P.O. Box 4433
CC      CITY: Houston
CC      STATE: TX
CC      COUNTRY: United States of America
CC      ZIP: 77210
CC      COMPUTER READABLE FORM:
CC      MEDIUM TYPE: Floppy disk
CC      COMPUTER: IBM PC compatible
CC      OPERATING SYSTEM: PC-DOS/MS-DOS, ASCII
CC      CURRENT APPLICATION DATA:
CC      APPLICATION NUMBER: PCT/US94/07089
CC      FILING DATE: CONCURRENTLY FILED
CC      CLASSIFICATION:
CC      PRIOR APPLICATION DATA:
CC      APPLICATION NUMBER: 08/081.448
CC      FILING DATE: 22 JUNE 1993
CC      ATTORNEY/AGENT INFORMATION:
CC      NAME: PARKER, David L.
CC      REGISTRATION NUMBER: 32,165
CC      REFERENCE/DOCKET NUMBER: ARCO090
CC      TELECOMMUNICATION INFORMATION:
CC      TELEPHONE: 512-320-7200
CC      TELEFAX: 713-789-2679
CC      INFORMATION FOR SEQ ID NO: 7:
CC      SEQUENCE CHARACTERISTICS:
CC          LENGTH: 233 amino acids
CC          TYPE: amino acid
CC          TOPOLOGY: linear
CC      MOLECULE TYPE: protein
SQ      SEQUENCE   233 AA; 26049 MW; 275801 CN;

Query Match          17.0%; Score 264; DB 13; Length 233;
Best Local Similarity 28.0%; Pred. No. 5,36e-13;
Matches      33; Conservative 37; Mismatches 46; Indels 2; Gaps 2;

Db      83 MAAVQALREAGDEFELRYRAAFSDLTASQIHPTGTAQSFQEDVWNLFFRDGVNMGRIVA 142

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Y 71 MGQVGRQLAIIIGDDINRRDSEFQTMLOHPTAENAYEYFKIASLSFESGINNGRYVA 130  
DB 143 FFSFGALCVESVDKEMQVLSRIAAMATYLNDR-LEPMIOENGMDTFVELYGNNA 199  
Y 131 LIGFSYRLALHIYQGLGFLGQVTRFVVDMLHHCIARWIAQRGWVAALNL-GNGP 187

RESULT 11  
ID US-08-081-448-6 STANDARD; PRT: 233 AA.  
AC xxxxxx  
DT 01-JAN-1900  
XX Sequence 6, Application US/08081448.  
XX Sequence 6, Application US/08081448.  
CC Patent No. 5646008  
CC GENERAL INFORMATION:  
CC APPLICANT: Thompson, Craig B.  
CC APPLICANT: Boise, Lawrence H.  
CC TITLE OF INVENTION: Vertebrate Apoptosis Gene:  
CC TITLE OF INVENTION: Compositions and Methods  
CC NUMBER OF SEQUENCES: 8  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Arnold White & Durkee  
CC STREET: 321 No. 564608th Clark Street, Suite 800  
CC CITY: Chicago  
CC STATE: IL  
CC COUNTRY: USA  
CC ZIP: 60610  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/081.448  
CC FILING DATE: 19930622  
CC CLASSIFICATION: 424  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: No. 564608thrup, Thomas E.  
CC REGISTRATION NUMBER: 33.268  
CC REFERENCE/DOCKET NUMBER: ARCD090  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 312-744-0090  
CC TELEFAX: 312-755-4489  
CC INFORMATION FOR SEQ ID NO: 6:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 233 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
CC SEQUENCE 233 AA; 26063 MW; 275311 CN;

Query Match 17.0%; Score 264; DB 7; Length 233;  
Best Local Similarity 28.0%; Pred. No. 5.36e-13;  
Matches 33; Conservative 37; Mismatches 46; Indels 2; Gaps 2;

DB 83 MAAYQALREAGDEFEELRRRAFSDLTSQLHTPGTAYOSFEQVYNLEFRDGVNMGRTVA 142  
Y 71 MGQVGRQLAIIIGDDINRRDSEFQTMLOHPTAENAYEYFKIASLSFESGINNGRYVA 130  
DB 143 FFSFGALCVESVDKEMQVLSRIAAMATYLNDR-LEPMIOENGMDTFVELYGNNA 199  
Y 131 LIGFSYRLALHIYQGLGFLGQVTRFVVDMLHHCIARWIAQRGWVAALNL-GNGP 187

RESULT 12  
ID US-08-607-269-24 STANDARD; PRT: 233 AA.  
AC xxxxxx

XX 01-JAN-1900  
XX Sequence 24, Application US/08607269.  
XX Sequence 24, Application US/08607269.  
DE Patent No. 5702897  
CC GENERAL INFORMATION:  
CC APPLICANT: Reed, John C.  
CC APPLICANT: Sato, Takaki  
CC TITLE OF INVENTION: Interaction of Proteins Involved in a  
CC TITLE OF INVENTION: Cell Death Pathway  
CC NUMBER OF SEQUENCES: 29  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Campbell and Flores  
CC STREET: 4370 La Jolla Village Drive, Suite 700  
CC CITY: San Diego  
CC STATE: California  
CC COUNTRY: USA  
CC ZIP: 92122  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/607.269  
CC FILING DATE:  
CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/226.876  
CC FILING DATE: 13-APR-1994  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Campbell, Cathryn A.  
CC REGISTRATION NUMBER: 31.815  
CC REFERENCE/DOCKET NUMBER: P-LJ 9882  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (619) 535-9001  
CC TELEFAX: (619) 535-8949  
CC INFORMATION FOR SEQ ID NO: 24:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 233 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
CC SEQUENCE 233 AA; 26063 MW; 275311 CN;

Query Match 17.0%; Score 264; DB 8; Length 233;  
Best Local Similarity 28.0%; Pred. No. 5.36e-13;  
Matches 33; Conservative 37; Mismatches 46; Indels 2; Gaps 2;

DB 83 MAAYQALREAGDEFEELRRRAFSDLTSQLHTPGTAYOSFEQVYNLEFRDGVNMGRTVA 142  
Y 71 MGQVGRQLAIIIGDDINRRDSEFQTMLOHPTAENAYEYFKIASLSFESGINNGRYVA 130  
DB 143 FFSFGALCVESVDKEMQVLSRIAAMATYLNDR-LEPMIOENGMDTFVELYGNNA 199  
Y 131 LIGFSYRLALHIYQGLGFLGQVTRFVVDMLHHCIARWIAQRGWVAALNL-GNGP 187

RESULT 13  
ID US-08-333-565-59 STANDARD; PRT: 233 AA.  
AC xxxxxx  
DT 01-JAN-1900  
XX Sequence 59, Application US/08333565.  
XX Sequence 59, Application US/08333565.  
CC Patent No. 5622852  
CC GENERAL INFORMATION:  
CC APPLICANT: KORSMEYER, Stanley J.  
CC TITLE OF INVENTION: Bcl-x/Bcl-2 ASSOCIATED CELL DEATH

CC TITLE OF INVENTION: REGULATOR  
CC NUMBER OF SEQUENCES: 59  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Townsend and Townsend Kourile and Crew  
CC STREET: 379 Lytton Avenue  
CC CITY: Palo Alto  
CC STATE: California  
CC COUNTRY: US  
CC ZIP: 94301  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC OPERATING SYSTEM: IBM PC compatible  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/333,565  
CC FILING DATE: 31-OCT-1994  
CC CLASSIFICATION: 435  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Smith, William M  
CC REGISTRATION NUMBER: 30,223  
CC REFERENCE/DOCKET NUMBER: 15726A-000700  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (415) 326-2400  
CC TELEFAX: (415) 326-2422  
CC INFORMATION FOR SEQ ID NO: 59:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 233 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: unknown  
CC MOLECULE TYPE: peptide  
CC SEQUENCE 233 AA: 26049 MW; 275801 CN;  
SQ

Query Match 17.0%; Score 264; DB 7; Length 233;  
Best Local Similarity 28.0%; Pred. No. 5,36e-13;  
Matches 33; Conservative 37; Mismatches 46; Indels 2; Gaps 2;

Db 83 MAAYQALREAGDEFELRRRAFSDLTSLHTTPTAYOSFEQVYVNEIFRDSVNMGRIVYA 142  
Qy 71 MGQVRQLAIIIGDDINRRYDSEFTMLQHLQPTAENAYEFYFKIASLFEESGINMGRYVA 130  
Db 143 FFSFGALCVESVDKEMOVLVSRIAMMATYLNDR-LPEWIOENGWDTEVLYGNNA 199  
Qy 131 ILGFYRLALHYRGGLFGQVTRFYVDLHHCIARWINQRGWVAALNL-GNGP 187

RESULT 14  
ID US-08-607-269-29 STANDARD; PRT; 236 AA.  
AC xxxxxx  
DT 01-JAN-1900  
XX Sequence 29, Application US/08607269.  
DE Sequence 29, Application US/08607269.  
XX Patent No. 5702897  
CC GENERAL INFORMATION:  
CC APPLICANT: Reed, John C.  
CC APPLICANT: Sato, Takaaki  
CC TITLE OF INVENTION: Interaction of Proteins Involved in a  
CC TITLE OF INVENTION: Cell Death Pathway  
CC NUMBER OF SEQUENCES: 29  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Campbell and Flores  
CC STREET: 4370 La Jolla Village Drive, Suite 700  
CC CITY: San Diego  
CC STATE: California  
CC COUNTRY: USA  
CC ZIP: 92122  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk

CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/607,269  
CC FILING DATE:  
CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/226,876  
CC FILING DATE: 13-APR-1994  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Campbell, Cathryn A.  
CC REGISTRATION NUMBER: 31,815  
CC REFERENCE/DOCKET NUMBER: P-LJ 9882  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (619) 535-9001  
CC TELEFAX: (619) 535-8949  
CC INFORMATION FOR SEQ ID NO: 29:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 236 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
CC SEQUENCE 236 AA: 26679 MW; 437248 CN;  
SQ

Query Match 16.9%; Score 263; DB 8; Length 236;  
Best Local Similarity 27.4%; Pred. No. 6,49e-13;  
Matches 29; Conservative 25; Mismatches 51; Indels 1; Gaps 1;

Db 94 LRRAGDXFRRYXRXFXKXXQHLTPXTAXXFXVYXELFRDSVNMGRIVAFPEGCGX 153  
Qy 78 LAIGDDINRRYDSEFTMLQHLQPTAENAYEFYFKIASLFEESGINMGRYVALIGFSYR 137  
Db 154 MCYASVXXEMKPIVXXIXAMTXYLNRR-LXXWIODNGMDXFYVEL 198  
Qy 138 LALHYRGGLFGQVTRFYVDLHHCIARWINQRGWVAALNL 183

RESULT 15  
ID PCT-US95-04600-29 STANDARD; PRT; 236 AA.  
AC xxxxxx  
DT 01-JAN-1900  
XX Sequence 29, Application PC/TUS9504600.  
DE Sequence 29, Application PC/TUS9504600.  
XX GENERAL INFORMATION:  
CC APPLICANT: LA JOLLA CANCER RESEARCH FOUNDATION  
CC TITLE OF INVENTION: Interaction of Proteins Involved in  
CC TITLE OF INVENTION: a Cell Death Pathway  
CC NUMBER OF SEQUENCES: 29  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Campbell and Flores  
CC STREET: 4370 La Jolla Village Drive, Suite 700  
CC CITY: San Diego  
CC STATE: California  
CC COUNTRY: USA  
CC ZIP: 92122  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC OPERATING SYSTEM: IBM PC compatible  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US95/04600  
CC FILING DATE: 12-APR-1995  
CC CLASSIFICATION:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Imbra, Richard J.  
CC REGISTRATION NUMBER: 37,643  
CC REFERENCE/DOCKET NUMBER: FP-LJ 1361  
CC TELECOMMUNICATION INFORMATION:



\*\*\*\*\*  
 NWSEI (TM)  
 \*\*\*\*\*

Release 3.0.5AA John F. Collins, Biocomputing Research Unit.  
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 Distribution rights by Oxford Molecular Ltd

Mpsrch\_pp protein - protein database search, using Smith-Waterman algorithm  
 Run on: Wed May 6 09:41:12 1998; Maspar time 2.20 Seconds  
 Tabular output not generated. 229.083 Million cell updates/sec

Title: >US-08-320-157-21  
 Description: (1-88) from US08320157.pep  
 Perfect Score: 643  
 Sequence: 1 MASGCGPPRQECGRPALP.....APGWRWDSSPSGRHOPAL 88

Scoring table: PAM 150  
 Gap 11

Searched: 62627 seqs, 5720858 residues

Post-processing: Minimum Match 0%  
 Listing first 45 summaries

Database: a-issued  
 1:back1 2:51 3:52 4:53 5:54 6:55 7:56 8:57 9:PCIT90  
 10:PCIT91 11:PCIT92 12:PCIT93 13:PCIT94 14:PCIT95 15:PCIT96

Statistics: Mean 25.938; Variance 105.134; scale 0.247

Pred. No. is the number of results predicted by chance to have a  
 score greater than or equal to the score of the result being printed,  
 and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description	Pred. No.
1	213	33.1	211	4	US-08-321-Sequence 16, Applicati	8.46e-12
2	78	12.1	429	7	US-07-964-Sequence 2, Applicatio	1.33e+01
3	78	12.1	429	12	PCT-US93-0-Sequence 2, Applicatio	1.33e+01
4	74	11.5	1852	7	US-08-425-Sequence 24, Applicati	2.73e+01
5	74	11.5	1863	14	PCT-US95-1-Sequence 2, Applicatio	2.73e+01
6	74	11.5	1863	8	US-08-483-Sequence 2, Applicatio	2.73e+01
7	74	11.5	1863	7	US-08-598-Sequence 2, Applicatio	2.73e+01
8	74	11.5	1863	8	US-08-487-Sequence 2, Applicatio	2.73e+01
9	74	11.5	1863	14	PCT-US95-1-Sequence 2, Applicatio	2.73e+01
10	74	11.5	1863	7	US-08-480-Sequence 2, Applicatio	2.73e+01
11	74	11.5	1863	7	US-08-425-Sequence 16, Applicati	2.73e+01
12	74	11.4	53	1	5422248-Patent No. 5422248	3.26e+01
13	73	11.4	191	14	PCT-US95-1-Sequence 175, Applicat	3.26e+01
14	73	11.4	902	8	US-08-818-Sequence 6, Applicatio	3.26e+01
15	73	11.4	902	7	US-08-396-Sequence 6, Applicatio	3.26e+01
16	72	11.2	451	8	US-08-417-Sequence 12, Applicati	3.89e+01
17	72	11.2	482	5	US-08-184-Sequence 8, Applicatio	3.89e+01
18	72	11.2	482	14	PCT-US95-0-Sequence 2, Applicatio	3.89e+01
19	72	11.2	626	14	PCT-US95-0-Sequence 2, Applicatio	3.89e+01
20	72	11.2	626	5	US-08-184-Sequence 2, Applicatio	3.89e+01
21	72	11.2	633	13	PCT-US94-0-Sequence 17, Applicati	3.89e+01
22	72	11.2	633	13	PCT-US94-0-Sequence 17, Applicati	3.89e+01

23	72	11.2	633	14	PCT-US95-1	Sequence 7, Applicatio	3.89e+01
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25	72	11.2	633	14	PCT-US95-0	Sequence 17, Applicati	3.89e+01
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27	72	11.2	1694	8	US-08-494	Sequence 2, Applicatio	3.89e+01
28	71	11.0	191	14	PCT-US95-1	Sequence 170, Applicat	4.64e+01
29	71	11.0	191	14	PCT-US95-1	Sequence 162, Applicat	4.64e+01
30	71	11.0	453	1	5206152-Patent No. 5206152	4.64e+01	4.64e+01
31	71	11.0	597	7	US-08-462	Sequence 1, Applicatio	4.64e+01
32	71	11.0	605	7	US-08-462	Sequence 3, Applicatio	4.64e+01
33	71	11.0	729	3	US-07-640	Sequence 3, Applicatio	4.64e+01
34	71	11.0	1184	7	US-08-446	Sequence 20, Applicati	4.64e+01
35	71	11.0	1184	8	US-08-446	Sequence 20, Applicati	4.64e+01
36	71	11.0	1187	14	PCT-US95-1	Sequence 8, Applicatio	4.64e+01
37	71	11.0	1187	8	US-08-097	Sequence 13, Applicati	4.64e+01
38	71	11.0	1187	8	US-08-357	Sequence 8, Applicatio	4.64e+01
39	70	10.9	423	8	US-08-464	Sequence 25, Applicati	5.53e+01
40	70	10.9	461	12	PCT-US93-1	Sequence 2, Applicatio	5.53e+01
41	70	10.9	925	7	US-08-252	Sequence 4, Applicatio	5.53e+01
42	70	10.9	1898	7	US-08-056	Sequence 94, Applicati	5.53e+01
43	69	10.7	1911	7	US-08-348	Sequence 5, Applicatio	6.59e+01
44	69	10.7	1911	13	PCT-US94-1	Sequence 5, Applicatio	6.59e+01
45	69	10.7	2396	7	US-08-157	Sequence 2, Applicatio	6.59e+01

## ALIGNMENTS

RESULT 1  
 ID US-08-321-071A-16 STANDARD; PRT: 211 AA.

AC xxxxxx  
 DT 01-JAN-1900

DE Sequence 16, Application US/08321071A.

CC Sequence 16, Application US/08321071A  
 CC Patent No. 5672686

CC GENERAL INFORMATION:

CC APPLICANT: CHITTENDEN, Thomas D.

CC TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN BCL-2, AND METHODS

CC NUMBER OF SEQUENCES: 31

CC CORRESPONDENCE ADDRESSES:

CC ADDRESSEE: Hale and Dorr

CC STREET: 1455 Pennsylvania Avenue, N.W.

CC CITY: Washington

CC STATE: D.C.

CC ZIP: 20004

CC COMPUTER READABLE FORM:

CC MEDIUM TYPE: Floppy disk

CC OPERATING SYSTEM: PC-DOS/MS-DOS

CC SOFTWARE: Patent Release #1.0, Version #1.25

CC CURRENT APPLICATION DATA:

CC APPLICATION NUMBER: US/08/321,071A

CC FILING DATE: 11-OCT-1994

CC CLASSIFICATION: 514

CC PRIOR APPLICATION DATA:

CC APPLICATION NUMBER: PCT/US95/10103

CC FILING DATE: 09-AUG-1995

CC PRIOR APPLICATION DATA:

CC APPLICATION NUMBER: 08/287,427

CC FILING DATE: 09-AUG-1994

CC ATTORNEY/AGENT INFORMATION:

CC NAME: WIXON, HENRY N.

CC REGISTRATION NUMBER: 32,073

CC REFERENCE/DOCKET NUMBER: 104322.121CIP

CC TELECOMMUNICATION INFORMATION:

CC TELEPHONE: 202-942-8400

CC TELEFAX: 202-942-8484

CC INFORMATION FOR SEQ ID NO: 16:

CC SEQUENCE CHARACTERISTICS:

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CC      LENGTH: 211 amino acids
CC      TYPE: amino acid
CC      STRANDEDNESS: single
CC      TOPOLOGY: linear
CC      MOLECULE TYPE: peptide
CC      SEQUENCE 211 AA; 23410 MW; 235207 CN;
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Query Match 33.1%; Score 213; DB 7; Length 211;
Best Local Similarity 78.0%; Pred. No. 8,46e-12;
Matches 32; Conservative 2; Mismatches 6; Indels 1; Gaps 1;
Db 1 MASGCGPGRPPOCGEPALPSASESOVAODTEVEFRSRYVY 41
Oy 1 MASGCGPGRPPOCGCKPALPSASESOVAQDMEG-FSATTF 40
RESULT 2
ID US-07-964-589-2 STANDARD; PRT; 429 AA.
XX
AC xxxxxx
XX 01-JAN-1900
DT
DE Sequence 2, Application US/07964589.
XX
CC Sequence 2, Application US/07964589
CC Patent No. 5387676
CC GENERAL INFORMATION:
CC APPLICANT: Zavada, Jan
CC APPLICANT: Pastorekova, Silvia
CC APPLICANT: Pastorek, Jaromir
CC TITLE OF INVENTION: MN Gene and Protein
CC NUMBER OF SEQUENCES: 4
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Leona L. Lauder
CC STREET: Stewart Street Tower, 18th Fl., One Market
CC CITY: San Francisco
CC STATE: CA
CC COUNTRY: USA
CC ZIP: 94105
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patent Release #1.0, Version #1.25
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/07/964,589
CC FILING DATE: 19921021
CC CLASSIFICATION: 435
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Lauder, Leona L.
CC REGISTRATION NUMBER: 30,863
CC REFERENCE/DOCKET NUMBER: D-0021
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 415-777-9257
CC TELEFAX: 415-543-4219
CC INFORMATION FOR SRO ID NO: 2:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 429 amino acids
CC TYPE: AMINO ACID
CC TOPOLOGY: linear
CC MOLECULE TYPE: protein
CC SEQUENCE 429 AA; 47631 MW; 926009 CN;
SQ
Query Match 12.1%; Score 78; DB 4; Length 429;
Best Local Similarity 36.0%; Pred. No. 1.33e+01;
Matches 9; Conservative 12; Mismatches 2; Indels 2; Gaps 2;
Db 159 ROWPOCCARD-PASVAR-DGSGSRAG 181
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AC	xxxxxx			
XX	01-JAN-1900			
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XX	Sequence 2, Application PC/TUS9302024.			
DE				
XX	Sequence 2, Application PC/TUS9302024			
CC	GENERAL INFORMATION:			
CC	APPLICANT: CIBA Corning Diagnostics Corp.			
CC	APPLICANT: Institute of Virology			
CC	TITLE OF INVENTION: MN Gene and Protein			
CC	NUMBER OF SEQUENCES: 4			
CC	CORRESPONDENCE ADDRESS:			
CC	ADDRESSEE: Leona L. Lauder			
CC	STREET: Stenart Street Tower, 18th Fl., One Market			
CC	STREET: Plaza			
CC	CITY: San Francisco			
CC	STATE: CA			
CC	COUNTRY: USA			
CC	ZIP: 94105			
CC	COMPUTER READABLE FORM:			
CC	MEDIUM TYPE: Floppy disk			
CC	COMPUTER: IBM PC compatible			
CC	OPERATING SYSTEM: PC-DOS/MS-DOS			
CC	SOFTWARE: Patentin Release #1.0, Version #1.25			
CC	CURRENT APPLICATION DATA:			
CC	APPLICATION NUMBER: PCT/US93/02024			
CC	FILING DATE: 19930308			
CC	CLASSIFICATION:			
CC	PRIOR APPLICATION DATA:			
CC	APPLICATION NUMBER: CS PV-709-92			
CC	FILING DATE: 10-MAR-1992			
CC	PRIOR APPLICATION DATA:			
CC	APPLICATION NUMBER: US/07/964,589			
CC	FILING DATE: 21-OCT-1992			
CC	ATTORNEY/AGENT INFORMATION:			
CC	NAME: lauder, Leona L			
CC	REGISTRATION NUMBER: 30,863			
CC	REFERENCE/DOCKET NUMBER: D-0021			
CC	TELECOMMUNICATION INFORMATION:			
CC	TELEPHONE: 415-777-9257			
CC	TELEFAX: 415-543-4219			
CC	INFORMATION FOR SEQ ID NO: 2:			
CC	SEQUENCE CHARACTERISTICS:			
CC	LENGTH: 429 amino acids			
CC	TYPE: AMINO ACID			
CC	TOPOLOGY: linear			
CC	MOLECULE TYPE: protein			
CC	SEQUENCE 429 AA; 47631 MW; 926009 CN;			
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DB	159 ROWPOCATD-PASMAR-DGSGSRAG 181			
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XX	Query Match	12.1%;	Score 78;	DB 12; Length 429;
XX	Best Local Similarity	36.0%;	Pred. No. 1.33e+01;	
XX	Matches	9; Conservative	12; Mismatches	2; Indels 2; Gaps 2;
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ID	US-08-425-061-24			
AC	xxxxxx			
XX	01-JAN-1900			
DT				
XX	Sequence 24, Application US/08425061.			
DE				
XX	Sequence 24, Application US/08425061			
CC				

CC Patent No. 5622829  
CC GENERAL INFORMATION:  
CC APPLICANT: KING, Mary-Claire  
CC APPLICANT: FRIEDMAN, Lori  
CC APPLICANT: OSTERMEYER, Beth  
CC APPLICANT: ROWELL, Sarah  
CC APPLICANT: LYNCH, Eric  
CC APPLICANT: SZABO, Csilla  
CC APPLICANT: LEE, Ming  
CC TITLE OF INVENTION: GENETIC MARKERS FOR BREAST AND OVARIAN  
CC TITLE OF INVENTION: CANCER  
CC NUMBER OF SEQUENCES: 24  
CC CORRESPONDENCE ADDRESSES:  
CC ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT  
CC STREET: 4 Embarcadero Center, Suite 3400  
CC CITY: San Francisco  
CC STATE: California  
CC COUNTRY: USA  
CC ZIP: 94111-4187  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.30  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/425,061  
CC FILING DATE:  
CC CLASSIFICATION: 435  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: OSMAN, Richard A  
CC REGISTRATION NUMBER: 36,627  
CC REFERENCE/DOCKET NUMBER: A-59563-3/DJB/RAO  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (415) 494-8700  
CC TELEFAX: (415) 494-8771  
CC TELE: 910 277299  
CC INFORMATION FOR SEQ ID NO: 24:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 1852 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
CC SEQUENCE 1852 AA; 206370 MW; 17856000 CN;  
SQ  
Query Match 11.5%; Score 74; DB 7; Length 1852;  
Best Local Similarity 32.8%; Pred. No. 2.73e+01;  
Matches 22; Conservative 10; Mismatches 28; Indels 7; Gaps 6;  
Db 1445 PROSTSEKAVLTSQKSEYPISONPEGLSADKFEVSADSTS-KNKEP-GVERSSPSKCP 1502  
QY 9 PPROCGCGPALPSA-SEE-QVADMEGFSAAFTFTISNRRLKGRPLPTQRWSP--CP 64  
DB 1503 S-LDDRW 1508  
QY 65 SNLAAPW 71  
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ID PCT-US95-10220-2 STANDARD; PRT; 1863 AA.  
AC xxxxxx  
XX 01-JAN-1900  
DE Sequence 2, Application PC/TUS9510220.  
XX Sequence 2, Application PC/TUS9510220  
CC GENERAL INFORMATION:  
CC APPLICANT: SKOLNICK, Mark H.  
CC APPLICANT: Goldgar, David E.  
CC APPLICANT: Miki, Yoshio  
CC APPLICANT: Swenson, Jeff

CC APPLICANT: Kamb, Alexander  
CC APPLICANT: Harshman, Keith D.  
CC APPLICANT: Shattuck-Eidens, Donna M.  
CC APPLICANT: Tavligian, Sean V.  
CC APPLICANT: Wiseman, Roger W.  
CC APPLICANT: Futreal, P. Andrew  
CC TITLE OF INVENTION: Method for Diagnosing a  
CC TITLE OF INVENTION: Predisposition for Breast and Ovarian Cancer  
CC NUMBER OF SEQUENCES: 85  
CC CORRESPONDENCE ADDRESSES:  
CC ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP  
CC STREET: 1201 New York Avenue, N.W., Suite 1000  
CC CITY: Washington  
CC STATE: DC  
CC COUNTRY: USA  
CC ZIP: 20005  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.30  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US95/10220  
CC FILING DATE:  
CC CLASSIFICATION:  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US  
CC FILING DATE: 07-JUN-1995  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/409,305  
CC FILING DATE: 24-MAR-1995  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/348,824  
CC FILING DATE: 29-NOV-1994  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08-308,104  
CC FILING DATE: 16-SEP-1994  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/300,266  
CC FILING DATE: 02-SEP-1994  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/289,221  
CC FILING DATE: 12-AUG-1994  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Ihnen, Jeffrey L.  
CC REGISTRATION NUMBER: 28,957  
CC REFERENCE/DOCKET NUMBER: 24884-109347  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-962-8300  
CC TELEFAX: 202-962-8300  
CC INFORMATION FOR SEQ ID NO: 2:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 1863 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
CC SEQUENCE 1863 AA; 207719 MW; 18114269 CN;  
SQ  
Query Match 11.5%; Score 74; DB 14; Length 1863;  
Best Local Similarity 32.8%; Pred. No. 2.73e+01;  
Matches 22; Conservative 10; Mismatches 28; Indels 7; Gaps 6;  
Db 1445 PROSTSEKAVLTSQKSEYPISONPEGLSADKFEVSADSTS-KNKEP-GVERSSPSKCP 1502  
QY 9 PPROCGCGPALPSA-SEE-QVADMEGFSAAFTFTISNRRLKGRPLPTQRWSP--CP 64  
DB 1503 S-LDDRW 1508  
QY 65 SNLAAPW 71  
RESULT 6  
ID PCT-US95-10202-2 STANDARD; PRT; 1863 AA.

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XX AC xxxxxx
XX DT 01-JAN-1900
XX DE Sequence 2, Application PC/TUS9510202.
CC CC
CC CC Sequence 2, Application PC/TUS9510202
CC CC GENERAL INFORMATION:
CC CC APPLICANT: Shattuck-Eidens, Donna M.
CC CC APPLICANT: Simard, Jacques
CC CC APPLICANT: Emi, Mitsuru
CC CC APPLICANT: Nakamura, Yusuke
CC CC APPLICANT: Dutocher, Franche
CC CC TITLE OF INVENTION: In Vivo Mutations and Polymorphisms
CC CC TITLE OF INVENTION: In the 17q-Linked Breast and Ovarian Cancer
CC CC NUMBER OF SEQUENCES: 85
CC CC CORRESPONDENCE ADDRESS:
CC CC ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
CC CC STREET: 1201 New York Avenue, N.W., Suite 1000
CC CC CITY: Washington
CC CC STATE: DC
CC CC COUNTRY: USA
CC CC ZIP: 20005
CC CC COMPUTER READABLE FORM:
CC CC MEDIUM TYPE: Floppy disk
CC CC COMPUTER: IBM PC compatible
CC CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC CC SOFTWARE: PatentIn Release #1.0, Version #1.30
CC CC CURRENT APPLICATION DATA:
CC CC APPLICATION NUMBER: PCT/US95/10202
CC CC FILING DATE:
CC CC CLASSIFICATION:
CC CC PRIOR APPLICATION DATA:
CC CC APPLICATION NUMBER: US
CC CC FILING DATE: 07-JUN-1995
CC CC PRIOR APPLICATION DATA:
CC CC APPLICATION NUMBER: US 08/409,305
CC CC FILING DATE: 24-MAR-1995
CC CC PRIOR APPLICATION DATA:
CC CC APPLICATION NUMBER: US 08/348,824
CC CC FILING DATE: 29-NOV-1994
CC CC PRIOR APPLICATION DATA:
CC CC APPLICATION NUMBER: US 08-308,104
CC CC FILING DATE: 16-SEP-1994
CC CC PRIOR APPLICATION DATA:
CC CC APPLICATION NUMBER: US 08/300,266
CC CC FILING DATE: 02-SEP-1994
CC CC PRIOR APPLICATION DATA:
CC CC APPLICATION NUMBER: US 08/289,221
CC CC FILING DATE: 12-AUG-1994
CC CC ATTORNEY/AGENT INFORMATION:
CC CC NAME: Ihnen, Jeffrey L.
CC CC REGISTRATION NUMBER: 28,957
CC CC REFERENCE/DOCKET NUMBER: 24884-109347
CC CC TELECOMMUNICATION INFORMATION:
CC CC TELEPHONE: 202-962-4810
CC CC TELEFAX: 202-962-8300
CC CC INFORMATION FOR SEQ ID NO: 2:
CC CC SEQUENCE CHARACTERISTICS:
CC CC LENGTH: 1863 amino acids
CC CC TYPE: amino acid
CC CC TOPOLOGY: linear
CC CC MOLECULE TYPE: protein
CC CC SEQUENCE 1863 AA; 207719 MW; 18114269 CN;
DB 1445 PEQSTSEAVLTSSKSSSYPISQNEGISAKEFYSDASDSTS-KNKEP-GYERSSPSKCP 1502
      11.5%; Score 74; DB 14; Length 1863;
      Best Local Similarity 32.8%; Pred. No. 2;736+01;
      Matches 22; Conservative 10; Mismatches 28; Indels 7; Gaps 6

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QY	9	PPRDECKPALPBA-SBE-QVADMEGFSATFTTISRNRRLGRRPLPTQKWSP--CP	64
DB	1503	S-LDDRW	1508
QY	65	SNLAPW	71
RESULT	7		
ID	US-08-483-553-2	STANDARD;	PRT;
AC	xxxxxx		1863 AA.
XX			
DT	01-JAN-1900		
XX			
DE	Sequence 2, Application US/08483553.		
XX			
CC	Sequence 2, Application US/08483553		
CC	Patent No. 5709999		
CC	GENERAL INFORMATION:		
CC	APPLICANT: Skolnick, Mark H.		
CC	APPLICANT: Goldgar, David E.		
CC	APPLICANT: Miki, Yoshio		
CC	APPLICANT: Swenson, Jeff		
CC	APPLICANT: Kamb, Alexander		
CC	APPLICANT: Harshman, Keith D.		
CC	APPLICANT: Shattuck-Eldens, Donna M.		
CC	APPLICANT: Tavligian, Sean V.		
CC	APPLICANT: Wiseman, Roger W.		
CC	APPLICANT: Futreal, P. Andrew		
CC	TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer		
CC	TITLE OF INVENTION: Susceptibility Gene		
CC	NUMBER OF SEQUENCES: 85		
CC	CORRESPONDENCE ADDRESS:		
CC	ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP		
CC	STREET: 1201 New York Avenue, N.W., Suite 1000		
CC	CITY: Washington		
CC	STATE: DC		
CC	COUNTRY: USA		
CC	ZIP: 20005		
CC	COMPUTER READABLE FORM:		
CC	MEDIUM TYPE: Floppy disk		
CC	COMPUTER: IBM PC compatible		
CC	OPERATING SYSTEM: PC-DOS/MS-DOS		
CC	SOFTWARE: Patentin Release #1.0, Version #1.30		
CC	CURRENT APPLICATION DATA:		
CC	APPLICATION NUMBER: US/08/483,553		
CC	FILING DATE:		
CC	CLASSIFICATION: 435		
CC	PRIOR APPLICATION DATA:		
CC	APPLICATION NUMBER: US 08/409,305		
CC	FILING DATE: 24-MAR-1995		
CC	PRIOR APPLICATION DATA:		
CC	APPLICATION NUMBER: US 08/348,824		
CC	FILING DATE: 29-NOV-1994		
CC	PRIOR APPLICATION DATA:		
CC	APPLICATION NUMBER: US 08/308,104		
CC	FILING DATE: 16-SEP-1994		
CC	PRIOR APPLICATION DATA:		
CC	APPLICATION NUMBER: US 08/300,266		
CC	FILING DATE: 02-SEP-1994		
CC	PRIOR APPLICATION DATA:		
CC	APPLICATION NUMBER: US 08/289,221		
CC	FILING DATE: 12-AUG-1994		
CC	ATTORNEY/AGENT INFORMATION:		
CC	NAME: Ihnen, Jeffrey L.		
CC	REGISTRATION NUMBER: 28,957		
CC	REFERENCE/DOCKET NUMBER: 24884-109347		
CC	TELECOMMUNICATION INFORMATION:		
CC	TELEPHONE: 202-962-4810		
CC	TELEFAX: 202-962-8300		
CC	INFORMATION FOR SEQ ID NO: 2:		
CC	SEQUENCE CHARACTERISTICS:		
CC	LENGTH: 1863 amino acids		

CC TYPE: amino acid  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
SQ SEQUENCE 1863 AA; 207719 MW; 18114269 CN;

Query Match 11.5%; Score 74; DB 8; Length 1863;  
Best Local Similarity 32.8%; Pred. No. 2.73e+01;  
Matches 22; Conservative 10; Mismatches 28; Indels 7; Gaps 6;

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QY 9 PPRQECGFPALPSA-SEE-QYAQDMEGSATAFTTISRNRRLKGRPLPQRMSP--CP 64  
Db 1503 S-LDDRW 1508  
QY 65 SNLAAPW 71

RESULT 8  
ID US-08-598-591-2 STANDARD; PRT; 1863 AA.  
XX  
AC xxxxxx  
XX 01-JAN-1900  
DT  
DE Sequence 2, Application US/08598591.  
XX  
CC Sequence 2, Application US/08598591  
CC Patent No. 5654155  
CC GENERAL INFORMATION:  
CC APPLICANT: Allen, Antonette C.  
CC APPLICANT: Alvares, Christopher P.  
CC APPLICANT: Critz, Brenda S.  
CC APPLICANT: Murphy, Patricia D.  
CC APPLICANT: Olson, Sheri J.  
CC APPLICANT: Schelter, Denise B.  
CC APPLICANT: Zeng, Bin  
CC TITLE OF INVENTION: A Consensus Sequence of the Human BRCA1 Gene  
CC Patent No. 5654155  
CC CORRESPONDENCE ADDRESS:  
CC NUMBER OF SEQUENCES: 74  
CC ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS  
CC STREET: 699 Prince St.  
CC CITY: Alexandria  
CC STATE: VA  
CC COUNTRY: USA  
CC ZIP: 22314  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.30  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/598,591  
CC FILING DATE: herewith  
CC CLASSIFICATION: 435  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Swecker, Robert S.  
CC REGISTRATION NUMBER: 19,885  
CC REFERENCE/DOCKET NUMBER: 020160-282  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 703-836-6620  
CC TELEFAX: 703-836-2021  
CC INFORMATION FOR SEQ ID NO: 2:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 1863 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: not relevant  
CC TOPOLOGY: not relevant  
CC MOLECULE TYPE: protein  
CC ORIGINAL SOURCE:  
CC ORGANISM: Homo sapiens  
CC STRAIN: BRCA1

CC POSITION IN GENOME:  
CC CHROMOSOME/SEGMENT: 17  
CC MAP POSITION: 17q21  
SQ SEQUENCE 1863 AA; 207661 MW; 18087089 CN;

Query Match 11.5%; Score 74; DB 7; Length 1863;  
Best Local Similarity 32.8%; Pred. No. 2.73e+01;  
Matches 22; Conservative 10; Mismatches 28; Indels 7; Gaps 6;

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QY 65 SNLAAPW 71

RESULT 9  
ID US-08-487-002-2 STANDARD; PRT; 1863 AA.  
XX  
AC xxxxxx  
XX 01-JAN-1900  
DT  
DE Sequence 2, Application US/08487002.  
XX  
CC Sequence 2, Application US/08487002  
CC Patent No. 5710001  
CC GENERAL INFORMATION:  
CC APPLICANT: Shattuck-Eidens, Donna M.  
CC APPLICANT: Simard, Jacques  
CC APPLICANT: Emi, Mitsuru  
CC APPLICANT: Nakamura, Yusuke  
CC APPLICANT: Durocher, Francine  
CC TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer  
CC TITLE OF INVENTION: Susceptibility Gene  
CC NUMBER OF SEQUENCES: 85  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP  
CC STREET: 1201 New York Avenue, N.W., Suite 1000  
CC CITY: Washington  
CC STATE: DC  
CC COUNTRY: USA  
CC ZIP: 20005  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.30  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/487,002  
CC FILING DATE:  
CC CLASSIFICATION: 424  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/409,305  
CC FILING DATE: 24-MAR-1995  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/348,824  
CC FILING DATE: 29-NOV-1994  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/308,104  
CC FILING DATE: 16-SEP-1994  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/300,266  
CC FILING DATE: 02-SEP-1994  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/289,221  
CC FILING DATE: 12-AUG-1994  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Ihnen, Jeffrey L.  
CC REGISTRATION NUMBER: 28,957  
CC REFERENCE/DOCKET NUMBER: 24884-109347

CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-962-4810  
CC TELEFAX: 202-962-8300  
CC INFORMATION FOR SEQ ID NO: 2:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 1863 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
CC SEQUENCE 1863 AA; 207719 MW; 18114269 CN;  
SQ  
Query Match 11.5%; Score 74; DB 8; Length 1863;  
Best Local Similarity 32.8%; Pred. No. 2.73e+01;  
Matches 22; Conservative 10; Mismatches 28; Indels 7; Gaps 6;  
Db 1445 PROSTSEKAVLTSSKSSSEPISSONPEGLSADKFEVSADSTS-KNKEP-GVERSSPSKCP 1502  
QY 9 PPROCGCPALPSA-SEE-QVADMEGFSATFTTISRNRRLKGRPLPQGRWSP--CP 64  
Db 1503 S-LDDR 1508  
QY 65 SNLAAPW 71  
OY  
RESULT 10  
ID PCT-US95-10203-2 STANDARD; PRT; 1863 AA.  
AC xxxxxx  
XX 01-JAN-1900  
XX Sequence 2, Application PC/TUS9510203.  
DE  
CC Sequence 2, Application PC/TUS9510203.  
CC GENERAL INFORMATION:  
CC APPLICANT: Skolnick, Mark H.  
CC APPLICANT: Goldgar, David E.  
CC APPLICANT: Mikl, Yoshio  
CC APPLICANT: Swenson, Jeff  
CC APPLICANT: Kamb, Alexander  
CC APPLICANT: Harshman, Keith D.  
CC APPLICANT: Shattuck-Eidens, Donna M.  
CC APPLICANT: Tavtigian, Sean V.  
CC APPLICANT: Wiseman, Roger W.  
CC APPLICANT: Futreal, P. Andrew  
CC TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer  
CC NUMBER OF SEQUENCES: 85  
CC CORRESPONDENCE ADDRESSES:  
CC ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP  
CC STREET: 1201 New York Avenue, N.W., Suite 1000  
CC CITY: Washington  
CC STATE: DC  
CC COUNTRY: USA  
CC ZIP: 20005  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: PatentIn Release #1.0, Version #1.30  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US95/10203  
CC FILING DATE:  
CC CLASSIFICATION:  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US  
CC FILING DATE: 07-JUN-1995  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/409,305  
CC FILING DATE: 24-MAR-1995  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/348,824  
CC FILING DATE: 29-NOV-1994

CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08-308,104  
CC FILING DATE: 16-SEP-1994  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/300,266  
CC FILING DATE: 02-SEP-1994  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/289,221  
CC FILING DATE: 12-AUG-1994  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Ihnen, Jeffrey L.  
CC REGISTRATION NUMBER: 28,957  
CC REFERENCE/DOCKET NUMBER: 24884-109347  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-962-4810  
CC TELEFAX: 202-962-8300  
CC INFORMATION FOR SEQ ID NO: 2:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 1863 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
CC SEQUENCE 1863 AA; 207719 MW; 18114269 CN;  
SQ  
Query Match 11.5%; Score 74; DB 14; Length 1863;  
Best Local Similarity 32.8%; Pred. No. 2.73e+01;  
Matches 22; Conservative 10; Mismatches 28; Indels 7; Gaps 6;  
Db 1445 PROSTSEKAVLTSSKSSSEPISSONPEGLSADKFEVSADSTS-KNKEP-GVERSSPSKCP 1502  
QY 9 PPROCGCPALPSA-SEE-QVADMEGFSATFTTISRNRRLKGRPLPQGRWSP--CP 64  
Db 1503 S-LDDR 1508  
QY 65 SNLAAPW 71  
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RESULT 11  
ID US-08-480-784-2 STANDARD; PRT; 1863 AA.  
AC xxxxxx  
XX 01-JAN-1900  
XX Sequence 2, Application US/08480784.  
DE  
CC Sequence 2, Application US/08480784.  
CC Patent No. 5693473  
CC GENERAL INFORMATION:  
CC APPLICANT: Skolnick, Mark H.  
CC APPLICANT: Goldgar, David E.  
CC APPLICANT: Mikl, Yoshio  
CC APPLICANT: Swenson, Jeff  
CC APPLICANT: Kamb, Alexander  
CC APPLICANT: Harshman, Keith D.  
CC APPLICANT: Shattuck-Eidens, Donna M.  
CC APPLICANT: Tavtigian, Sean V.  
CC APPLICANT: Wiseman, Roger W.  
CC APPLICANT: Futreal, P. Andrew  
CC TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer  
CC NUMBER OF SEQUENCES: 85  
CC CORRESPONDENCE ADDRESSES:  
CC ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP  
CC STREET: 1201 New York Avenue, N.W., Suite 1000  
CC CITY: Washington  
CC STATE: DC  
CC COUNTRY: USA  
CC ZIP: 20005  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS

CC SOFTWARE: Patentin Release #1.0, Version #1.30  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/480,784  
CC FILING DATE:  
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CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/409,305  
CC FILING DATE: 24-MAR-1995  
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CC FILING DATE: 02-SEP-1994  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/289,221  
CC FILING DATE: 12-AUG-1994  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Ihnen, Jeffrey L.  
CC REGISTRATION NUMBER: 28,957  
CC REFERENCE/DOCKET NUMBER: 24884-109347  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-962-4810  
CC TELEFAX: 202-962-8300  
CC INFORMATION FOR SEQ ID NO: 2:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 1863 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
CC SEQUENCE 1863 AA; 207719 MW; 18114269 CN;  
CC  
CC Query Match 11.5%; Score 74; DB 7; Length 1863;  
CC Best Local Similarity 32.8%; Pred. No. 2.73e+01;  
CC Matches 22; Conservative 10; Mismatches 28; Indels 7; Gaps 6;  
CC  
Db 1445 PEOSTSEKAVLTSQKSSRYPISONDEGLSADKFEVSADSTS-KNKEP-GVERSSPSKCP 1502  
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QY 65 SNIAPW 71  
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CC RESULT 12  
CC ID US-08-425-061-16 STANDARD: PRT; 1863 AA.  
CC AC xxxxxx  
CC DT 01-JAN-1900  
CC DE  
CC Sequence 16, Application US/08425061.  
CC XX  
CC Patent No. 5622829  
CC GENERAL INFORMATION:  
CC APPLICANT: KING, Mary-Claire  
CC APPLICANT: FRIDMAN, Lori  
CC APPLICANT: OSTERMEYER, Beth  
CC APPLICANT: ROWELL, Sarah  
CC APPLICANT: LYNCH, Eric  
CC APPLICANT: SZABO, Csilla  
CC APPLICANT: LEE, Ming  
CC TITLE OF INVENTION: GENETIC MARKERS FOR BREAST AND OVARIAN  
CC TITLE OF INVENTION: CANCER  
CC NUMBER OF SEQUENCES: 24  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT  
CC STREET: 4 Embarcadero Center, Suite 3400

CC CITY: San Francisco  
CC STATE: California  
CC COUNTRY: USA  
CC ZIP: 94111-4187  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.30  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/425,061  
CC FILING DATE:  
CC CLASSIFICATION: 435  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: OSMAN, Richard A  
CC REGISTRATION NUMBER: 36,627  
CC REFERENCE/DOCKET NUMBER: A-59563-3/DJB/RAO  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (415) 494-8700  
CC TELEFAX: (415) 494-8771  
CC TELEX: 910 277299  
CC INFORMATION FOR SEQ ID NO: 16:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 1863 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
CC SEQUENCE 1863 AA; 207673 MW; 18114452 CN;  
CC  
CC Query Match 11.5%; Score 74; DB 7; Length 1863;  
CC Best Local Similarity 32.8%; Pred. No. 2.73e+01;  
CC Matches 22; Conservative 10; Mismatches 28; Indels 7; Gaps 6;  
CC  
Db 1445 PEOSTSEKAVLTSQKSSRYPISONDEGLSADKFEVSADSTS-KNKEP-GVERSSPSKCP 1502  
QY 9 PPROECGKPALPSA-SEE-QVAQDMGEFSATFTTISRNRRLKGRPLPTQRMSP--CP 64  
DB 1503 S-LDDR 1508  
QY 65 SNIAPW 71  
CC  
CC RESULT 13  
CC ID 5422248-4 STANDARD: PRT; 58 AA.  
CC AC xxxxxx  
CC DT 01-JAN-1900  
CC DE Patent No. 5422248.  
CC XX  
CC Patent No. 5422248  
CC APPLICANT: SMITH, CRAIG A.; LARSEN, ALF D.; SIMS, JOHN E.;  
CC BENSON, CURTIS M.  
CC TITLE OF INVENTION: DNA SEQUENCES ENCODING GRANULOCYTE-COLONY  
CC STIMULATING FACTOR RECEPTORS  
CC NUMBER OF SEQUENCES: 6  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/6,183  
CC FILING DATE: 15-JAN-1993  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 587,329  
CC FILING DATE: 24-SEP-1990  
CC APPLICATION NUMBER: 522,952  
CC FILING DATE: 03-APR-1990  
CC APPLICATION NUMBER: 416,306  
CC FILING DATE: 03-OCT-1989  
CC APPLICATION NUMBER: 412,816  
CC FILING DATE: 26-SEP-1989  
CC SEQ ID NO: 4:  
CC LENGTH: 53  
CC SEQUENCE 58 AA; 6175 MW; 22864 CN;



\*\*\*\*\*  
WIPED OUT  
(TM)  
\*\*\*\*\*

Release 3.0.5AA John F. Collins, Biocomputing Research Unit.  
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Mpsrch\_pp protein - protein database search, using Smith-Waterman algorithm

Run on: Wed May 6 09:43:42 1998; Maspar time 3.57 Seconds

Tabular output not generated. 336,920 Million cell updates/sec

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Perfect Score: 1534

Sequence: 1 MASGGGPPRCEGEPALP.....LVVLGVLLGQFVRRFRFS 210

Scoring table: PAM 150

Gap 11

Searched: 62627 seqs, 5720858 residues

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database: a-issued

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10:PCIT91 11:PCIT92 12:PCIT93 13:PCIT94 14:PCIT95 15:PCIT96

Statistics: Mean 30.519; Variance 143.876; scale 0.212

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

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2	453	29.2	57	7	US-08-321-	Sequence 15, Applicati	3.18e-29
3	378	24.3	54	7	US-08-321-	Sequence 21, Applicati	9.68e-23
4	347	22.3	49	7	US-08-321-	Sequence 25, Applicati	4.38e-20
5	260	16.7	36	15	PCT-US96-0	Sequence 14, Applicati	9.58e-13
6	260	16.7	36	7	US-08-440-	Sequence 2, Applicatio	1.40e-12
7	258	16.6	190	13	PCT-US94-0	Sequence 29, Applicati	3.02e-12
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11	250	16.1	233	8	US-08-333-	Sequence 59, Applicati	6.47e-12
12	250	16.1	233	7	US-08-333-	Sequence 24, Applicati	6.47e-12
13	250	16.1	233	14	PCT-US95-0	Sequence 6, Applicatio	6.47e-12
14	250	16.1	233	13	US-08-081-	Sequence 7, Applicatio	6.47e-12
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18	243	15.6	205	8	US-08-248-	Sequence 13, Applicati	2.45e-11
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29	242	15.6	239	8	US-08-607-	Sequence 20, Applicati	5.24e-11
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34	234	15.1	236	14	PCT-US95-0	Sequence 22, Applicati	1.35e-10
35	234	15.1	236	14	PCT-US95-0	Sequence 22, Applicati	1.35e-10
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37	234	15.1	236	8	US-08-112-	Sequence 11, Applicati	1.35e-10
38	232	14.9	236	8	US-08-607-	Sequence 21, Applicati	1.97e-10
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44	206	13.3	192	8	US-08-248-	Sequence 8, Applicatio	2.60e-08
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## ALIGNMENTS

RESULT 1  
ID US-08-321-071A-16 STANDARD; PRT: 211 AA.

AC xxxxxx  
DT 01-JAN-1900

DE Sequence 16, Application US/08321071A.

CC Sequence 16, Application US/08321071A  
CC Patent No. 5672686

CC GENERAL INFORMATION:

CC APPLICANT: CHITTENDEN, Thomas D.

CC TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-X, AND METHODS

CC NUMBER OF INVENTION: OF USE THEREOF

CC CORRESPONDENCE ADDRESSES: 31

CC ADDRESSEE: Hale and Dorr

CC STREET: 1455 Pennsylvania Avenue, N.W.

CC CITY: Washington

CC STATE: D.C.

CC ZIP: 20004

CC COMPUTER READABLE FORM:

CC MEDIUM TYPE: Floppy disk

CC OPERATING SYSTEM: PC-DOS/MS-DOS

CC SOFTWARE: Patentin Release #1.0, Version #1.25

CC CURRENT APPLICATION DATA:

CC APPLICATION NUMBER: US/08/321,071A

CC FILING DATE: 11-OCT-1994

CC CLASSIFICATION: 514

CC PRIOR APPLICATION DATA:

CC APPLICATION NUMBER: PCT/US95/10103

CC FILING DATE: 09-AUG-1995

CC PRIOR APPLICATION DATA:

CC APPLICATION NUMBER: 08/287,427

CC FILING DATE: 09-AUG-1994

CC ATTORNEY/AGENT INFORMATION:

CC NAME: WIXON, HENRY N.

CC REGISTRATION NUMBER: 32,073

CC REFERENCE/DOCKET NUMBER: 104322.121CIP

CC TELECOMMUNICATION INFORMATION:

CC TELEPHONE: 202-942-8400

CC TELEFAX: 202-942-8484

CC INFORMATION FOR SEQ ID NO: 16:

CC SEQUENCE CHARACTERISTICS:

CC	LENGTH: 211	amino acids
CC	TYPE: amino acid	
CC	STRANDEDNESS: single	
CC	TOPOLOGY: linear	
CC	MOLECULE TYPE: peptide	
SO	SEQUENCE	211 AA; 23410 MM; 235207 CN;

  

Query Match	99.2%	Score 1541;	DB 7;	Length 211;
Best Local Similarity	99.1%	Pred. No. 1,46e-126;		
Matches 209;	Conservative 1;	Mismatches 0;	Indels 1;	Gaps 1;

  

Dd	1	MASGGGPPPPQEGCEPALPSASEQVAQDTVEYFRSTVYFRRHQDEAEAGVAAPADPEM	60
Qy	1	MASGGGPPPPQEGCEPALPSASEQVAQDTVEYFRSTVYFRRHQDEAEAGVAAPADPEM	60
Dd	61	VTLPPLQPSSTMGQVGRQRLAIIIGDDINRRYDSEFQTMQHLQPTAENAYEYFTKATSLFE	120
Qy	61	VTLPPLQPSSTMGQVGRQRLAIIIGDDINRRYDSEFQTMQHLQPTAENAYEYFTKATSLFE	120
Dd	121	SGIDMGRRVALLGFGYRLALHYVTOHGLGFGVYTRFVYDPMLEHCAIRWIAQORGWVAA	180
Qy	121	SG-INMGRRVALLGFGYRLALHYVTOHGLGFGVYTRFVYDPMLEHCAIRWIAQORGWVAA	179
Dd	181	INTGNGPILNTLVYLVGVYLLGQFVYRRFFKS	211
Qy	180	INTGNGPILNTLVYLVGVYLLGQFVYRRFFKS	210

RESULT 2  
 ID US-08-321-071A-15 STANDARD; PRT: 57 AA.  
 AC  
 AC xxxxxx  
 XX  
 DT 01-JAN-1900  
 XX  
 DE Sequence 15, Application US/08321071A.  
 CC  
 CC Sequence 15, Application US/08321071A  
 CC Patent No. 5672686  
 CC GENERAL INFORMATION:  
 CC APPLICANT: CHITTENDEN, Thomas D.  
 CC TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS  
 CC TITLE OF INVENTION: OF USE THEREOF  
 CC NUMBER OF SEQUENCES: 31  
 CC CORRESPONDENCE ADDRESS:  
 CC ADDRESSEE: Hale and Dorr  
 CC STREET: 1455 Pennsylvania Avenue, N.W.  
 CC City: Washington  
 CC STATE: D.C.  
 CC ZIP: 20004  
 CC COMPUTER READABLE FORM:  
 CC MEDIUM TYPE: floppy disk  
 CC COMPUTER: IBM PC compatible  
 CC OPERATING SYSTEM: PC-DOS/MS-DOS  
 CC SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CC CURRENT APPLICATION DATA:  
 CC APPLICATION NUMBER: US/08/321,071A  
 CC FILING DATE: 11-OCT-1994  
 CC CLASSIFICATION: 514  
 CC PRIOR APPLICATION DATA:  
 CC APPLICATION NUMBER: PCT/US95/10103  
 CC FILING DATE: 09-AUG-1995  
 CC PRIOR APPLICATION DATA:  
 CC APPLICATION NUMBER: 08/287,427  
 CC FILING DATE: 09-AUG-1994  
 CC ATTORNEY/AGENT INFORMATION:  
 CC NAME: WIXON, HENRY N.  
 CC REGISTRATION NUMBER: 32,073  
 CC REFERENCE/DOCKET NUMBER: 104322.121CIP  
 CC TELECOMMUNICATION INFORMATION:  
 CC TELEPHONE: 202-942-8400  
 CC TELEFAX: 202-942-8484  
 CC INFORMATION FOR SEQ ID NO: 15:

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CC      SEQUENCE CHARACTERISTICS:
CC      LENGTH: 57 amino acids
CC      TYPE: amino acid
CC      STRANDEDNESS: single
CC      TOPOLOGY: linear
CC      MOLECULE TYPE: peptide
SQ      SEQUENCE 57 AA; 6559 MW; 15838 CN;

Query Match          29.2%   SCORE 453;  DB 7;  Length 57;
Best Local Similarity 100.0%;  Pred. No. 3,18e-29;
Matches 54; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Query Match 29.2% Score 453; DB 7; Length 57;
Match Local Similarity 100.0%; Pred. No. 3,18e-29;
Matches 54; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

D6 1 NMGRVALLGGGYRLALVHYOHGLTGFLGQYTRFVDFPMLHHCIAFRIAQRGM 54
|||||
OY 123 NMGRVALLGGGYRLALVHYOHGLTGFLGQYTRFVDFPMLHHCIAFRIAQRGM 176

RESULT 3
ID US-08-321-071A-21 STANDARD; PRT; 54 AA.
XX
XX xxxxxx
XX 01-JAN-1900
XX
DE Sequence 21, Application US/08321071A.
XX
XX Sequence 21, Application US/08321071A
XX Patent No. 5672686
XX
CC GENERAL INFORMATION:
CC APPLICANT: CHITTENDEN, Thomas D.
CC TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-X, AND METHODS
CC TITLE OF INVENTION: OF USE THEREOF
CC NUMBER OF SEQUENCES: 31
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Hale and Dorr
CC STREET: 1455 Pennsylvania Avenue, N.W.
CC City: Washington
CC STATE: D.C.
CC ZIP: 20004
CC
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: PatentIn Release #1.0, Version #1.25
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/321, 071A
CC FILING DATE: 11-OCT-1994
CC CLASSIFICATION: 514
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: PCT/US95/10103
CC FILING DATE: 09-AUG-1995
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: 08/287,427
CC FILING DATE: 09-AUG-1994
CC ATTORNEY/AGENT INFORMATION:
CC NAME: WIXON, HENRY N.
CC REGISTRATION NUMBER: 32,073
CC REFERENCE/DOCKET NUMBER: 104222,121CIP
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 202-942-8400
CC TELEFAX: 202-942-8484
CC INFORMATION FOR SEQ ID NO: 21:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 54 amino acids
CC TYPE: amino acid
CC STRANDEDNESS: single
CC TOPOLOGY: linear
CC MOLECULE TYPE: peptide
CC SEQUENCE 54 AA: 6172 MW; 15712 CN;

Query Match 24.3%; Score 378; DB 7; Length 54;
Match Local Similarity 98.1%; Pred. No. 9.68e-23;
Matches 53; Conservative 0; Mismatches 0; Indels 1; Gaps 1

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Db 1 GDDINRRYDSEFQTMLOHLOPTAENAYEFTKIATSLFESGINNGRVALLGFG 54  
XX  
QY 82 GDDINRRYDSEFQTMLOHLOPTAENAYEFTKIATSLFESG-NMGRVALLGFG 134  
RESULT 4 STANDARD; PRT; 49 AA.  
ID US-08-321-071A-25  
AC xxxxxx  
XX 01-JAN-1900  
DE Sequence 25, Application US/08321071A.  
XX Sequence 25, Application US/08321071A  
CC Patent No. 5672686  
CC GENERAL INFORMATION:  
CC APPLICANT: CHITTENDEN, Thomas D.  
CC TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-X, AND METHODS  
CC TITLE OF INVENTION: OF USE THEREOF  
CC NUMBER OF SEQUENCES: 31  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Hale and Dorr  
CC STREET: 1455 Pennsylvania Avenue, N.W.  
CC CITY: Washington  
CC STATE: D.C.  
CC ZIP: 20004  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patent In Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/321,071A  
CC FILING DATE: 11-OCT-1994  
CC CLASSIFICATION: 514  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US95/10103  
CC FILING DATE: 09-AUG-1995  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 08/287,427  
CC FILING DATE: 09-AUG-1994  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: WIXON, HENRY N.  
CC REGISTRATION NUMBER: 32,073  
CC REFERENCE/DOCKET NUMBER: 104322.121CIP  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-942-8400  
CC TELEFAX: 202-942-8484  
CC INFORMATION FOR SEQ ID NO: 25:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 49 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: peptide  
CC SEQUENCE 49 AA, 5639 MW, 12778 CN;  
Query Match 22.3%; Score 347; DB 7; Length 49;  
Best Local Similarity 100.0%; Pred. No. 4.38e-20;  
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Db 1 VGRQALITGDDINRRYDSEFQTMLOHLOPTAENAYEFTKIATSLFESG 49  
XX  
QY 74 VGRQALITGDDINRRYDSEFQTMLOHLOPTAENAYEFTKIATSLFESG 122  
RESULT 5 STANDARD; PRT; 36 AA.  
ID PCT-US96-06122-14  
AC xxxxxx

DT 01-JAN-1900  
XX Sequence 14, Application PC/TUS9606122.  
DE Sequence 14, Application PC/TUS9606122.  
XX Sequence 14, Application PC/TUS9606122  
CC GENERAL INFORMATION:  
CC APPLICANT: IMMUNOGEN, INC.  
CC TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS  
CC TITLE OF INVENTION: WHICH MODULATE APOPTOSIS  
CC NUMBER OF SEQUENCES: 34  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Hale and Dorr  
CC STREET: 1455 Pennsylvania Avenue, N.W.  
CC CITY: Washington  
CC STATE: D.C.  
CC ZIP: 20004  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patent In Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US96/06122  
CC FILING DATE: HEREWITH  
CC CLASSIFICATION:  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/440,391  
CC FILING DATE: 12-MAY-1995  
CC CLASSIFICATION:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: WIXON, HENRY N.  
CC REGISTRATION NUMBER: 32,073  
CC REFERENCE/DOCKET NUMBER: 104322.147PCT  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-942-8400  
CC TELEFAX: 202-942-8484  
CC INFORMATION FOR SEQ ID NO: 14:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 36 base pairs  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: peptide  
CC SEQUENCE 36 AA, 4120 MW, 6096 CN;  
Query Match 16.7%; Score 260; DB 15; Length 36;  
Best Local Similarity 100.0%; Pred. No. 9.58e-13;  
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Db 1 LQPSSTMGVGRQALITGDDINRRYDSEFQTMLOHL 36  
XX  
QY 65 LQPSSTMGVGRQALITGDDINRRYDSEFQTMLOHL 100  
RESULT 6 STANDARD; PRT; 36 AA.  
ID US-08-440-391-14  
AC xxxxxx  
XX 01-JAN-1900  
DE Sequence 14, Application US/08440391.  
XX Sequence 14, Application US/08440391  
CC Patent No. 5656725  
CC GENERAL INFORMATION:  
CC APPLICANT: CHITTENDEN, Thomas D.; and  
CC APPLICANT: LUTZ, Robert J.  
CC TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS WHICH  
CC TITLE OF INVENTION: MODULATE APOPTOSIS  
CC NUMBER OF SEQUENCES: 34  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Hale and Dorr  
CC STREET: 1455 Pennsylvania Avenue, N.W.

CC CITY: Washington  
CC STATE: D.C.  
CC ZIP: 20004  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC OPERATING SYSTEM: IBM PC compatible  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/440,391  
CC FILING DATE: 12-MAY-1995  
CC CLASSIFICATION: 435  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: NIXON, HENRY N.  
CC REGISTRATION NUMBER: 32,073  
CC REFERENCE/DOCKET NUMBER: 104322.147  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-942-8400  
CC TELEFAX: 202-942-8484  
CC INFORMATION FOR SEQ ID NO: 14:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 36 base pairs  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: peptide  
CC SEQUENCE 36 AA: 4120 MW: 6096 CN;

Query Match 16.7%; Score 260; DB 7; Length 36;  
Best Local Similarity 100.0%; Pred. No. 9,58e-13;  
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 LOPSTMGVGRQLAIIIGDINRRYDSFOTMLQHL 36  
OY 65 LOPSTMGVGRQLAIIIGDINRRYDSFOTMLQHL 100

RESULT 7  
ID US-08-081-448-2 STANDARD; PRT: 190 AA.  
AC xxxxxx  
DT 01-JAN-1900  
XX Sequence 2, Application US/08081448.  
DE Sequence 2, Application US/08081448.  
XX Sequence 2, Application US/08081448  
Patent No. 5646008  
GENERAL INFORMATION:  
CC APPLICANT: Thompson, Craig B.  
CC APPLICANT: Boise, Lawrence H.  
CC TITLE OF INVENTION: Vertebrate Apoptosis Gene:  
CC TITLE OF INVENTION: Compositions and Methods  
CC NUMBER OF SEQUENCES: 8  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Arnold, White & Durkee  
CC STREET: 321 No. 5646008th Clark Street, Suite 800  
CC CITY: Chicago  
CC STATE: IL  
CC COUNTRY: USA  
CC ZIP: 60610  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC OPERATING SYSTEM: IBM PC compatible  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/081,448  
CC FILING DATE: 19930622  
CC CLASSIFICATION: 424  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: No. 5646008thrup, Thomas E.  
CC REGISTRATION NUMBER: 33,268  
CC REFERENCE/DOCKET NUMBER: ARCD090

CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 312-744-0090  
CC TELEFAX: 312-755-4489  
CC INFORMATION FOR SEQ ID NO: 2:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 190 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
CC SEQUENCE 190 AA: 21467 MW: 192890 CN;

Query Match 16.6%; Score 258; DB 7; Length 190;  
Best Local Similarity 28.2%; Pred. No. 1.40e-12;  
Matches 37; Conservative 32; Mismatches 59; Indels 3; Gaps 3;

Db 60 VVNGATVRRSLVEHETVRADYVQALRDAGDEFELRRRAFSQTLTPGTAYOSF 119  
OY 52 VAAADPEMTVLPQPSTMGVGRQLAIIIGDINRRYDSFOTMLQHLPTANAEYF 111  
Db 120 EQVNELEFHGCVNMGRIYAFESGALCVSDKEMRYLVGRIVSMYTLTLDH-LDPWI 178  
OY 112 TKIATSLFESG-NMGRYVALFGYRLALHYOHGLTGFGQVTRFVVDPMHICIARWI 170  
Db 179 QENGWYRTAL 189  
OY 171 AORGWY-ALL 180

RESULT 8  
ID PCT-US94-07089-2 STANDARD; PRT: 190 AA.  
XX PCT-US94-07089-2

AC xxxxxx  
DT 01-JAN-1900  
XX Sequence 2, Application PC/TUS9407089.

DE Sequence 2, Application PC/TUS9407089.  
XX Sequence 2, Application PC/TUS9407089  
GENERAL INFORMATION:  
CC APPLICANT:  
CC TITLE OF INVENTION: Vertebrate Apoptosis Gene:  
CC TITLE OF INVENTION: Compositions and Methods  
CC NUMBER OF SEQUENCES: 9  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Arnold, White & Durkee  
CC STREET: P.O. Box 4433  
CC CITY: Houston  
CC STATE: TX  
CC COUNTRY: United States of America  
CC ZIP: 77210  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC OPERATING SYSTEM: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS, ASCII  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US94/07089  
CC FILING DATE: CONCURRENTLY FILED  
CC CLASSIFICATION:  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 08/081,448  
CC FILING DATE: 22 JUNE 1993  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: PARKER, David L.  
CC REGISTRATION NUMBER: 32,165  
CC REFERENCE/DOCKET NUMBER: ARCD090  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 512-320-7200  
CC TELEFAX: 713-789-2679  
CC INFORMATION FOR SEQ ID NO: 2:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 190 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear

CC MOLECULE TYPE: protein  
SQ SEQUENCE 190 AA; 21467 MW; 192890 CN;

Query Match 16.6%; Score 258; DB 13; Length 190;  
Best Local Similarity 28.3%; Pred. No. 1,40e-12;  
Matches 37; Conservative 32; Mismatches 59; Indels 3; Gaps 3;

Db 60 VVNGATVHRSSLEVEHIVASDVROALRDAGDEFELRYRAFSDLTSLHTPTAYQSF 119  
QY 52 VAPAPPEWTLPLQPSMTGCVGRQLAIGDDINRRYSEFQTMQLQPTAENAYEYF 111  
Db 120 EQVYNELFHDGVNMGRIVAFESGALCVESVDKEMRVLYGRIVSMATYLLDTH-IDPMI 178  
QY 112 TKIATSLFESG-NMGRVVALIGFYRLALHYQHGLTGLGQYTRFVVDPMHHCIAFWI 170  
Db 179 QENGWVTRAL 189  
QY 171 AQRGWV-RAAL 180

RESULT 9  
ID US-08-607-269-29 STANDARD; PRT: 236 AA.  
AC xxxxxx  
XX 01-JAN-1900  
DE Sequence 29, Application US/08607269.  
XX  
CC Sequence 29, Application US/08607269  
CC Patent No. 5702897  
CC GENERAL INFORMATION:  
CC APPLICANT: Reed, John C.  
CC TITLE OF INVENTION: Interaction of Proteins Involved in a  
CC NUMBER OF SEQUENCES: 29  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Campbell and Flores  
CC STREET: 4370 La Jolla Village Drive, Suite 700  
CC CITY: San Diego  
CC STATE: California  
CC COUNTRY: USA  
CC ZIP: 92122  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/607,269  
CC FILING DATE:  
CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/226,876  
CC FILING DATE: 13-APR-1994  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Campbell, Cathryn A.  
CC REGISTRATION NUMBER: 31,815  
CC REFERENCE/DOCKET NUMBER: P-LJ 9882  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (619) 535-9001  
CC TELEFAX: (619) 535-8949  
CC INFORMATION FOR SEQ ID NO: 29:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 236 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
SQ SEQUENCE 236 AA; 26679 MW; 437248 CN;

Query Match 16.3%; Score 254; DB 8; Length 236;  
Best Local Similarity 28.3%; Pred. No. 3.02e-12;  
Matches 30; Conservative 23; Mismatches 51; Indels 2; Gaps 2;

Db 94 LRRADKFKRRYKRXFXKXKXOLHLPYTAAXKXKXVYXELFRDGVNMGRIVAFESGX 153  
QY 78 LAIIGDDINRRYSEFQTMQLQPTAENAYEYFTKIATSLFESG-NMGRVVALIGFYR 136  
Db 154 MCYXSVXKXEMPLVXXIXAMWTXYLNRH-LXXWIODNGWDXFVEL 198  
QY 137 LALHYQHGLTGLGQYTRFVVDPMHHCIAFWIAQRGWVALNL 182

RESULT 10  
ID PCT-US95-04600-29 STANDARD; PRT: 236 AA.  
AC xxxxxx  
XX 01-JAN-1900  
DE Sequence 29, Application PC/TUS9504600.  
XX  
CC Sequence 29, Application PC/TUS9504600  
CC GENERAL INFORMATION:  
CC APPLICANT: LA JOLLA CANCER RESEARCH FOUNDATION  
CC TITLE OF INVENTION: Interaction of Proteins Involved in  
CC NUMBER OF SEQUENCES: 29  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Campbell and Flores  
CC STREET: 4370 La Jolla Village Drive, Suite 700  
CC CITY: San Diego  
CC STATE: California  
CC COUNTRY: USA  
CC ZIP: 92122  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US95/04600  
CC FILING DATE: 12-APR-1995  
CC CLASSIFICATION:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Imbra, Richard J.  
CC REGISTRATION NUMBER: 37,643  
CC REFERENCE/DOCKET NUMBER: FP-LJ 1361  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (619) 535-9001  
CC TELEFAX: (619) 535-8949  
CC INFORMATION FOR SEQ ID NO: 29:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 236 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
SQ SEQUENCE 236 AA; 26679 MW; 437248 CN;

Query Match 16.3%; Score 254; DB 14; Length 236;  
Best Local Similarity 28.3%; Pred. No. 3.02e-12;  
Matches 30; Conservative 23; Mismatches 51; Indels 2; Gaps 2;

Db 94 LRRAGKFKRRYKRXFXKXKXOLHLPYTAAXKXKXVYXELFRDGVNMGRIVAFESGX 153  
QY 78 LAIIGDDINRRYSEFQTMQLQPTAENAYEYFTKIATSLFESG-NMGRVVALIGFYR 136  
Db 154 MCYXSVXKXEMPLVXXIXAMWTXYLNRH-LXXWIODNGWDXFVEL 198  
QY 137 LALHYQHGLTGLGQYTRFVVDPMHHCIAFWIAQRGWVALNL 182

RESULT 11  
ID US-08-607-269-24 STANDARD; PRT: 233 AA.  
AC xxxxxx  
XX

DT 01-JAN-1900  
XX Sequence 24, Application US/08607269.  
DE Sequence 24, Application US/08607269.  
XX Patent No. 5702897  
CC GENERAL INFORMATION:  
CC APPLICANT: Reed, John C.  
CC APPLICANT: Sato, Takaki  
CC TITLE OF INVENTION: Interaction of Proteins Involved in a  
CC TITLE OF INVENTION: Cell Death Pathway  
CC NUMBER OF SEQUENCES: 29  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Campbell and Flores  
CC STREET: 4370 La Jolla Village Drive, Suite 700  
CC CITY: San Diego  
CC STATE: California  
CC COUNTRY: USA  
CC ZIP: 92122  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patent In Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/607,269  
CC FILING DATE:  
CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/226,876  
CC FILING DATE: 13-APR-1994  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Campbell, Cathryn A.  
CC REGISTRATION NUMBER: 31,815  
CC REFERENCE/DOCKET NUMBER: P-LJ 9882  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (619) 535-9001  
CC TELEFAX: (619) 535-8949  
CC INFORMATION FOR SEQ ID NO: 24:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 233 amino acids  
CC TYPE: amino acid  
CC TOPOLOGY: linear  
CC SEQUENCE 233 AA; 26063 MW; 275311 CN;  
SQ  
Query Match 16.1%; Score 250; DB 8; Length 233;  
Best Local Similarity 25.5%; Pred. No. 6,47e-12;  
Matches 36; Conservative 41; Mismatches 60; Indels 4; Gaps 4;  
Db 61 DSPAVNGATGHS-SSLDAREVTPMAAVKQALREAGDEFELRYRRAFSDSLTSOLHTPGTA 119  
QY 48 EAEGVAPADPEWVTLPLQPSSTMGVGRQALITGDINRRTDSEFOTMLOHLPRAENA 107  
Db 120 YQSEFQVYNELFRDGVNMGRIYAFSFGALCYESVDKEMQVLSRIAAMATYLNDR-L 178  
QY 108 YEFYTKATISLFESG-NMGVVALLGFGYRLALHYQHGLTGLGQVTRVVDPMHLHCI 166  
Db 179 EPWIOENGMDTFVELYGNNA 199  
QY 167 ARWIAQRGGWVALNL-GNGP 186  
RESULT 12  
ID US-08-333-565-59 STANDARD; PRT; 233 AA.  
XX  
AC xxxxxx  
XX  
DT 01-JAN-1900  
XX Sequence 59, Application US/08333565.  
XX  
CC Sequence 59, Application US/08333565  
CC Patent No. 562852

CC GENERAL INFORMATION:  
CC APPLICANT: KORSMEYER, Stanley J.  
CC TITLE OF INVENTION: Bcl-x/Bcl-2 ASSOCIATED CELL DEATH  
CC TITLE OF INVENTION: REGULATOR  
CC NUMBER OF SEQUENCES: 59  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Townsend and Townsend Kourile and Crew  
CC STREET: 379 Lytton Avenue  
CC CITY: Palo Alto  
CC STATE: California  
CC COUNTRY: US  
CC ZIP: 94301  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patent In Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/333,565  
CC FILING DATE: 31-OCT-1994  
CC CLASSIFICATION: 435  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Smith, William M  
CC REGISTRATION NUMBER: 30,223  
CC REFERENCE/DOCKET NUMBER: 15726A-000700  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (415) 326-2400  
CC TELEFAX: (415) 326-2422  
CC INFORMATION FOR SEQ ID NO: 59:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 233 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: unknown  
CC MOLECULE TYPE: peptide  
CC SEQUENCE 233 AA; 26049 MW; 275801 CN;  
SQ  
Query Match 16.1%; Score 250; DB 7; Length 233;  
Best Local Similarity 25.5%; Pred. No. 6,47e-12;  
Matches 36; Conservative 41; Mismatches 60; Indels 4; Gaps 4;  
Db 61 DSPAVNGATGHS-SSLDAREVTPMAAVKQALREAGDEFELRYRRAFSDSLTSOLHTPGTA 119  
QY 48 EAEGVAPADPEWVTLPLQPSSTMGVGRQALITGDINRRTDSEFOTMLOHLPRAENA 107  
Db 120 YQSEFQVYNELFRDGVNMGRIYAFSFGALCYESVDKEMQVLSRIAAMATYLNDR-L 178  
QY 108 YEFYTKATISLFESG-NMGVVALLGFGYRLALHYQHGLTGLGQVTRVVDPMHLHCI 166  
Db 179 EPWIOENGMDTFVELYGNNA 199  
QY 167 ARWIAQRGGWVALNL-GNGP 186  
RESULT 13  
ID PCT-US95-04600-24 STANDARD; PRT; 233 AA.  
XX  
AC xxxxxx  
XX  
DT 01-JAN-1900  
XX Sequence 24, Application PC/TUS9504600.  
XX  
CC Sequence 24, Application PC/TUS9504600  
CC GENERAL INFORMATION:  
CC APPLICANT: LA JOLLA CANCER RESEARCH FOUNDATION  
CC TITLE OF INVENTION: Interaction of Proteins Involved in  
CC TITLE OF INVENTION: a Cell Death Pathway  
CC NUMBER OF SEQUENCES: 29  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Campbell and Flores  
CC STREET: 4370 La Jolla Village Drive, Suite 700  
CC CITY: San Diego



CC TELEPHONE: 512-320-7200  
 CC TELEFAX: 713-789-2679  
 CC INFORMATION FOR SEQ ID NO: 7:  
 CC SEQUENCE CHARACTERISTICS:  
 CC LENGTH: 233 amino acids  
 CC TYPE: amino acid  
 CC TOPOLOGY: linear  
 CC MOLECULE TYPE: protein  
 CC SEQUENCE 233 AA; 26049 MW; 275801 CN;

Query Match 16.1%; Score 250; DB 13; Length 233;  
 Best Local Similarity 25.5%; Pred. No. 6,47e-12;  
 Matches 36; Conservative 41; Mismatches 60; Indels 4; Gaps 4;

DB 61 DSPAYNGATGHS-SSLDAREVLPMAAVKQALREAGDEFEELRTRRAPSDLTLSQHTTPGTA 119  
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 QY 48 EAEGVAAAPADPEMYTLPIQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLOHLPATAENA 107  
 DB 120 YOSFEQVYVNELPDQGVNMGRIYAFPSFGALCVESVDKEMQVLYSRIAMMATYLYNDH-L 178  
 |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|  
 QY 108 YEYFKRIATSLFESG-NMGKVVALLGFGYRLALHYOHGLTGLGQVTRFVVDFMLHHC I 166  
 DB 179 EPMIQENGMDTFVELYGNN A 199  
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 QY 167 ARMIARGGWVAALNL-GWGP 186

Search completed: Wed May 6 09:44:02 1998  
 Job time : 20 secs.

\*\*\*\*\*  
MUSEUM  
(TM)  
\*\*\*\*\*

Release 3.0.5AA John F. Collins, Biocomputing Research Unit.  
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MPsrch\_un n.a. - n.a. database search, using Smith-Waterman algorithm

Run on: Wed May 6 23:50:50 1998; MasPar time 74.78 Seconds

Tabular output not generated. 907.151 Million cell updates/sec

Title: >US-08-320-157-8

Description: (1-1287) From US08320157.seq

Perfect Score: 1287

N.A. Sequence: 1 TTTTAAATATTAATTAATGTC.....CCTCAGAGTACAGAGCTT 1287

Comp: AAAATATATTTAATTAACAC.....GGAGTCTCATGCTTCGAA

Scoring table: TABLE default

Gap 6

Mmatch STD : Dbase 0; Query 0

Searched: 102136 segs, 26354296 bases x 2

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database:

n-issued

1:back1 2:51 3:52 4:53 5:54 6:55 7:56 8:57 9:PCIT90

10:PCIT91 11:PCIT92 12:PCIT93 13:PCIT94 14:PCIT95 15:PCIT96

Statistics: Mean 8.915; Variance 4.867; scale 1.832

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description	Pred. No.
1	766	59.5	1968	7	US-08-321- Sequence 17, Applicati	0.00e+00
2	91	7.1	93	7	US-08-440- Sequence 15, Applicati	3.25e-46
3	91	7.1	93	15	PCT-US96-0 Sequence 15, Applicati	3.25e-46
4	82	6.4	84	7	US-08-440- Sequence 17, Applicati	9.61e-40
5	82	6.4	84	15	PCT-US96-0 Sequence 17, Applicati	9.61e-40
6	46	3.6	7218	7	US-08-232- Sequence 14, Applicati	6.48e-15
7	43	3.3	45	7	US-08-440- Sequence 19, Applicati	5.69e-13
8	43	3.3	45	15	PCT-US96-0 Sequence 19, Applicati	5.69e-13
9	39	3.0	39	7	US-08-440- Sequence 21, Applicati	1.99e-10
10	37	2.9	39	15	PCT-US96-0 Sequence 21, Applicati	1.99e-10
11	37	2.9	215	6	US-08-238- Sequence 5, Applicatio	3.50e-09
12	35	2.7	215	6	US-08-238- Sequence 5, Applicatio	3.50e-09
13	31	2.4	7218	7	US-08-232- Sequence 14, Applicati	1.00e-05
14	26	2.0	81	14	PCT-US95-1 Sequence 92, Applicati	1.00e-02
15	24	1.9	74	14	PCT-US95-1 Sequence 94, Applicati	1.19e-01
16	25	1.9	75	14	PCT-US95-1 Sequence 99, Applicati	3.48e-02
17	25	1.9	82	14	PCT-US95-1 Sequence 97, Applicati	3.48e-02
18	24	1.9	105	5	US-07-865- Sequence 13, Applicati	1.19e-01
19	19	1.9	198	11	PCT-US92-1 Sequence 16, Applicati	3.48e-02

RESULT ID	1	25	242	7	US-08-273- Sequence 1, Applicatio	3.48e-02
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	24	1.9	1659	7	US-08-231- Sequence 2, Applicatio	1.19e-01
	22	1.9	2492	12	PCT-US93-1 Sequence 13, Applicati	1.19e-01
	23	1.9	56	7	US-08-471- Sequence 144, Applicat	3.94e-01
	24	1.8	56	7	US-08-471- Sequence 142, Applicat	3.94e-01
	25	1.8	69	7	US-08-471- Sequence 100, Applicat	3.94e-01
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	27	1.8	81	14	PCT-US95-1 Sequence 98, Applicati	3.94e-01
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	29	1.8	81	14	PCT-US95-1 Sequence 92, Applicati	3.94e-01
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	31	1.8	909	5	US-07-783- Sequence 7, Applicati	3.94e-01
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	41	1.7	863	6	US-07-940- Sequence 11, Applicati	1.27e+00
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#### ALIGNMENTS

US-08-321-071A-17 STANDARD; DNA; UNC; 1968 BP.

Sequence 17, Application US/08321071A.

Sequence 17, Application US/08321071A

Patent No. 5672686

GENERAL INFORMATION:

APPLICANT: CHITTENDEN, Thomas D.

TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS

NUMBER OF SEQUENCES: 31

NUMBER OF SEQUENCES: 31

CORRESPONDENCE ADDRESS:

ADDRESSEE: Hale and Dorr

STREET: 1455 Pennsylvania Avenue, N.W.

CITY: Washington

STATE: D.C.

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/321,071A

FILING DATE: 11-OCT-1994

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/10103

FILING DATE: 09-AUG-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/287,427

FILING DATE: 09-AUG-1994

ATTORNEY/AGENT INFORMATION:

NAME: WIXON, HENRY N.

REGISTRATION NUMBER: 32,073

REFERENCE/DOCKET NUMBER: 104322.121CIP

TELECOMMUNICATION INFORMATION:

CC TELEPHONE: 202-942-8400  
 CC TELEFAX: 202-942-8484  
 CC INFORMATION FOR SEQ ID NO: 17:  
 CC SEQUENCE CHARACTERISTICS:  
 CC LENGTH: 1968 base pairs  
 CC TYPE: nucleic acid  
 CC STRANDEDNESS: single  
 CC TOPOLOGY: linear  
 CC MOLECULE TYPE: DNA (genomic)  
 CC Sequence 1968 BP; 382 A; 560 C; 577 G; 449 T; 0 other;

Query Match 59.5%; Score 766; DB 7; Length 1968;  
 Best Local Similarity 97.9%; Pred. No. 0.00e+00;  
 Matches 793; Conservative 0; Mismatches 15; Indels 2; Gaps 2;

Db 1 TGAGCCACCCGGGTTGGCCAGATCCGGGAGGCTGATCCCGTCTCCATGAGACCTG 60  
 QY 480 TGAGCCACCCGGGTTGGCCAGATCCGGGAGGCTGATCCCGTCTCCATGAGACCTG 539  
 Db 61 AAAAATGGCTTCGGGGCAAGGCCAGGCTCCGCCAGAGAGTGGGAGAGCTGCCCT 120  
 QY 540 AAAAATGGCTTCGGGGCAAGGCCAGGCTCCGCCAGAGAGTGGGAGAGCTGCCCT 599  
 Db 121 GCCCTCTCTCTCTGAGAGAGAGTGGCCAGAGACAGAGAGTGGTTCGCGAGTACT 180  
 QY 600 GCCCTCTCTCTCTGAGAGAGAGTGGCCAGAGACAGAGAGTGGTTCGCGAGTACT 659  
 Db 181 TTTTACCAGCATCAGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 240  
 QY 660 TTTTACCAGCATCAGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 719  
 Db 241 GATGGTCACTTACTCTGCAACCTACAGAGACCATGGGGAGAGTGGGAGAGAGTGG 300  
 QY 720 GATGGTCACTTACTCTGCAACCTACAGAGACCATGGGGAGAGTGGGAGAGAGTGG 779  
 Db 301 CATCATCGGGAGAGACATCAACCGAGCTATGATCTGACAGAGTTCAGACATGTTG 360  
 QY 780 CATCATCGGGAGAGACATCAACCGAGCTATGATCTGACAGAGTTCAGACATGTTG 839  
 Db 361 CCTGAGAGCCAGGAG 420  
 QY 840 CCTGAGAGCCAGGAG 899  
 Db 421 TGAGAGTGGCATCAATGGGGGCGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 480  
 QY 900 TGAGAGTGGCATCAATGGGGGCGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 959  
 Db 481 CCTACAGCTTACAGAGATGGCTGACTGCTTCTTCTAGGCGAGTGAACCGCTTGT 540  
 QY 960 CCTACAGCTTACAGAGATGGCTGACTGCTTCTTCTAGGCGAGTGAACCGCTTGT 1019  
 Db 541 CGACTTCATGCTGATCAGTCACTGATGCGGTGATGACAGAGAGAGTGGCTGGT 600  
 QY 1020 GGAATTCATGCTGATCAGTCACTGATGCGGTGATGACAGAGAGAGTGGCTGGT 1079  
 Db 601 AGCCCTGAATCTGGGCAATGTCCTCATCTTAACAGTGTGTGTGTGTGTGTGTGT 660  
 QY 1080 AGCCCTGAATCTGGGCAATGTCCTCATCTTAACAGTGTGTGTGTGTGTGTGTGT 1139  
 Db 661 GTTGGGCGAGTGTGTGAGAGAGATTCCTGAATCAATGACTCCCAAGAGGCGCTT 720  
 QY 1140 GTTGGGCGAGTGTGTGAGAGAGATTCCTGAATCAATGACTCCCAAGAGGCGCTT 1199  
 Db 721 GTCCCGGTTGAGACCCCTGCTGAGATTAAAGCAAGTCTTTCCTTCTCTCTTCC 780  
 QY 1200 GTCCCGGTTGAGACCCCTGCTGAGATTAAAGCAAGTCTTTCCTTCTCTCTTCC 1258  
 Db 781 AGGGGTCGCCCTTAAGAGTACAGAGCTT 810  
 QY 1259 AGGG-TCCCCCTCAAGAGTACAGAGCTT 1287

RESULT 2

ID US-08-440-391-15 STANDARD; DNA; UNC; 93 BP.

XX xxxxxx  
 AC 01-JAN-1900

DE Sequence 15, Application US/08440391.

XX Sequence 15, Application US/08440391

CC Patent No. 5656725

CC GENERAL INFORMATION:

CC APPLICANT: CHITTENDEN, Thomas D.; and

CC TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS WHICH

CC NUMBER OF SEQUENCES: 34

CC CORRESPONDENCE ADDRESS:

CC ADDRESSEE: Hale and Dorr

CC STREET: 1455 Pennsylvania Avenue, N.W.

CC CITY: Washington

CC STATE: D.C.

CC ZIP: 20004

CC COMPUTER READABLE FORM:

CC MEDIUM TYPE: Floppy disk

CC OPERATING SYSTEM: IBM PC compatible

CC SOFTWARE: PatentIn Release #1.0, Version #1.25

CC CURRENT APPLICATION DATA:

CC APPLICATION NUMBER: US/08/440,391

CC FILING DATE: 12-May-1995

CC CLASSIFICATION: 435

CC ATTORNEY/AGENT INFORMATION:

CC NAME: WIXON, HENRY N.

CC REGISTRATION NUMBER: 32,073

CC REFERENCE/DOCKET NUMBER: 104322.147

CC TELECOMMUNICATION INFORMATION:

CC TELEFAX: 202-942-8484

CC INFORMATION FOR SEQ ID NO: 15:

CC SEQUENCE CHARACTERISTICS:

CC LENGTH: 93 base pairs

CC TYPE: nucleic acid

CC STRANDEDNESS: single

CC TOPOLOGY: linear

CC MOLECULE TYPE: DNA (genomic)

SQ Sequence 93 BP; 22 A; 31 C; 26 G; 14 T; 0 other;

Query Match 7.1%; Score 91; DB 7; Length 93;  
 Best Local Similarity 98.9%; Pred. No. 3.25e-46;  
 Matches 92; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Db 1 CAGGTGGAGGAGGAGCTCCGCGATCATCGGGAGAGACATCAACGAGCTATGACTAG 60  
 QY 760 CAGGTGGAGGAGGAGCTCCGCGATCATCGGGAGAGACATCAACGAGCTATGACTAG 819

Db 61 TTCCAGACATGTTGAGAGACCTGACAGCCACG 93  
 QY 820 TTCCAGACATGTTGAGAGACCTGACAGCCACG 852

RESULT 3

PCT-US96-06122-15 STANDARD; DNA; UNC; 93 BP.

XX xxxxxx

AC 01-JAN-1900

DE Sequence 15, Application PC/TUS9606122.

XX Sequence 15, Application PC/TUS9606122

CC GENERAL INFORMATION:

CC APPLICANT: IMMUNOGEN, INC.  
CC TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS  
CC TITLE OF INVENTION: WHICH MODULE APOPTOSIS  
CC NUMBER OF SEQUENCES: 34  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Hale and Dorr  
CC STREET: 1455 Pennsylvania Avenue, N.W.  
CC CITY: Washington  
CC STATE: D.C.  
CC ZIP: 20004  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC OPERATING SYSTEM: IBM PC compatible  
CC SOFTWARE: Patent Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US96/06122  
CC FILING DATE: HEREWITH  
CC CLASSIFICATION:  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/440,391  
CC FILING DATE: 12-MAY-1995  
CC CLASSIFICATION:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: WIXON, HENRY N.  
CC REGISTRATION NUMBER: 32,073  
CC REFERENCE/DOCKET NUMBER: 104322.147PCT  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-942-8400  
CC TELEFAX: 202-942-8484  
CC INFORMATION FOR SEQ ID NO: 15:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 93 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: DNA (genomic)  
CC Sequence 93 BP; 22 A; 31 C; 26 G; 14 T; 0 other;  
SQ  
  
Query Match 7.1%; Score 91; DB 15; Length 93;  
Best Local Similarity 98.9%; Pred. No. 3.25e-46;  
Matches 92; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
Db 1 CAGGTGGAGCGGAGCTCCCATCATCGGGGAGAGCATCAACGAGCATGATGACAG 60  
|||  
QY 760 CAGGTGGAGCGGAGCTCCCATCATCGGGGAGAGCATCAACGAGCATGATGACAG 819  
|||  
Db 61 TTCAGACCATGTTCGAGACCTGCAGCCACG 93  
|||  
QY 820 TTCAGACCATGTTCGAGACCTGCAGCCACG 852  
|||  
  
RESULT 4  
ID US-08-440-391-17 STANDARD; DNA; UNC; 84 BP.  
XX xxxxxx  
AC 01-JAN-1900  
DE Sequence 17, Application US/08440391.  
XX  
CC Sequence 17, Application US/08440391  
CC Patent No. 5656725  
CC GENERAL INFORMATION:  
CC APPLICANT: CHITTENDEN, Thomas D.; and  
CC APPLICANT: LUTZ, Robert J.  
CC TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS WHICH  
CC TITLE OF INVENTION: MODULATE APOPTOSIS  
CC NUMBER OF SEQUENCES: 34  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Hale and Dorr  
CC STREET: 1455 Pennsylvania Avenue, N.W.  
CC

CC CITY: Washington  
CC STATE: D.C.  
CC ZIP: 20004  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC OPERATING SYSTEM: IBM PC compatible  
CC SOFTWARE: Patent Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/440,391  
CC FILING DATE: 12-MAY-1995  
CC CLASSIFICATION: 435  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: WIXON, HENRY N.  
CC REGISTRATION NUMBER: 32,073  
CC REFERENCE/DOCKET NUMBER: 104322.147  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-942-8400  
CC TELEFAX: 202-942-8484  
CC INFORMATION FOR SEQ ID NO: 17:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 84 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: DNA (genomic)  
CC Sequence 84 BP; 20 A; 26 C; 26 G; 12 T; 0 other;  
SQ  
  
Query Match 6.4%; Score 82; DB 7; Length 84;  
Best Local Similarity 98.8%; Pred. No. 9.61e-40;  
Matches 83; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
Db 1 CCTAGAGCAGCATGGGGAGGTGGGAGCGGAGCTCCCATCATGCGGAGGACGACATCAAC 60  
|||  
QY 742 CCTAGAGCAGCATGGGGAGGTGGGAGCGGAGCTCCCATCATGCGGAGGACGACATCAAC 801  
|||  
Db 61 CGACGCTATGACTCAGAGTTCCAG 84  
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QY 802 CGACGCTATGACTCAGAGTTCCAG 825  
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RESULT 5  
ID PCT-US96-06122-17 STANDARD; DNA; UNC; 84 BP.  
XX xxxxxx  
AC 01-JAN-1900  
DE Sequence 17, Application PC/TUS9606122.  
XX  
CC Sequence 17, Application PC/TUS9606122  
CC GENERAL INFORMATION:  
CC APPLICANT: IMMUNOGEN, INC.  
CC TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS  
CC TITLE OF INVENTION: WHICH MODULE APOPTOSIS  
CC NUMBER OF SEQUENCES: 34  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Hale and Dorr  
CC STREET: 1455 Pennsylvania Avenue, N.W.  
CC CITY: Washington  
CC STATE: D.C.  
CC ZIP: 20004  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC OPERATING SYSTEM: IBM PC compatible  
CC SOFTWARE: Patent Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US96/06122  
CC FILING DATE: HEREWITH  
CC CLASSIFICATION:  
CC PRIOR APPLICATION DATA:  
CC



CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patent Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/440,391  
CC FILING DATE: 12-MAY-1995  
CC CLASSIFICATION: 435  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: WIXON, HENRY N.  
CC REGISTRATION NUMBER: 32,073  
CC REFERENCE/DOCKET NUMBER: 104322.147  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-942-8400  
CC TELEFAX: 202-942-8484  
CC INFORMATION FOR SEQ ID NO: 19:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 45 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: DNA (genomic)  
SQ Sequence 45 BP; 10 A; 15 C; 15 G; 5 T; 0 other;  
  
Query Match 3.3%; Score 43; DB 7; Length 45;  
Best Local Similarity 97.8%; Pred. No. 5.69e-13;  
Matches 44; Conservative 0; Mismatches 1; Indels 0;  
  
Db 1 GTGGACGCGAGCTCGCCATCATCGGGAGCAGCATCAACCGACGC 45  
QY 763 GTGGACGCGAGCTCGCCATCATTTGGGAGCAGCATCAACCGACGC 807  
  
RESULT 8  
ID PCT-US96-06122-19 STANDARD; DNA; UNC; 45 BP.  
  
XX xxxxxx  
XX 01-JAN-1900  
DE Sequence 19, Application PC/TUS9606122.  
CC Sequence 19, Application PC/TUS9606122  
CC GENERAL INFORMATION:  
CC APPLICANT: IMMUNOGEN, INC.  
CC TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS  
CC OPERATING SYSTEM: WHICH MODULE APOPTOSIS  
CC SOFTWARE: Patent Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US96/06122  
CC FILING DATE: HEREWITH  
CC CLASSIFICATION:  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/440,391  
CC FILING DATE: 12-MAY-1995  
CC CLASSIFICATION:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: WIXON, HENRY N.  
CC REGISTRATION NUMBER: 32,073  
CC REFERENCE/DOCKET NUMBER: 104322.147PCT

CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-942-8400  
CC TELEFAX: 202-942-8484  
CC INFORMATION FOR SEQ ID NO: 19:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 45 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: DNA (genomic)  
SQ Sequence 45 BP; 10 A; 15 C; 15 G; 5 T; 0 other;  
  
Query Match 3.3%; Score 43; DB 15; Length 45;  
Best Local Similarity 97.8%; Pred. No. 5.69e-13;  
Matches 44; Conservative 0; Mismatches 1; Indels 0;  
  
Db 1 GTGGACGCGAGCTCGCCATCATCGGGAGCAGCATCAACCGACGC 45  
QY 763 GTGGACGCGAGCTCGCCATCATTTGGGAGCAGCATCAACCGACGC 807  
  
RESULT 9  
ID US-08-440-391-21 STANDARD; DNA; UNC; 39 BP.  
  
XX xxxxxx  
XX 01-JAN-1900  
DE Sequence 21, Application US/08440391.  
XX Sequence 21, Application US/08440391.  
CC Patent No. 5656725  
CC GENERAL INFORMATION:  
CC APPLICANT: CHITTENDEN, Thomas D.; and  
CC APPLICANT: LUTZ, Robert J.  
CC TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS WHICH  
CC TITLE OF INVENTION: MODULATE APOPTOSIS  
CC NUMBER OF SEQUENCES: 34  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Hale and Dorr  
CC STREET: 1455 Pennsylvania Avenue, N.W.  
CC CITY: Washington  
CC STATE: D.C.  
CC ZIP: 20004  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patent Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/440,391  
CC FILING DATE: 12-MAY-1995  
CC CLASSIFICATION: 435  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: WIXON, HENRY N.  
CC REGISTRATION NUMBER: 32,073  
CC REFERENCE/DOCKET NUMBER: 104322.147  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 202-942-8400  
CC TELEFAX: 202-942-8484  
CC INFORMATION FOR SEQ ID NO: 21:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 39 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: DNA (genomic)  
SQ Sequence 39 BP; 11 A; 11 C; 11 G; 6 T; 0 other;  
  
Query Match 3.0%; Score 39; DB 7; Length 39;  
Best Local Similarity 100.0%; Pred. No. 1.99e-10;  
Matches 39; Conservative 0; Mismatches 0; Indels 0;



[illegible]

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XX ID US-08-233-463-14 STANDARD; DNA; UNC; 7218 BP.
XX
XX      xxxxxx
XX DT      01-JAN-1900
XX
XX DE      Sequence 14, Application US/08232463.
XX
XX CC      Sequence 14, Application US/08232463
XX CC      Patent No. 5670367
XX CC      GENERAL INFORMATION:
XX CC      APPLICANT: DORNER, F.
XX CC      APPLICANT: SCHEIFLINGER, F.
XX CC      APPLICANT: FALKNER, F. G.
XX CC      TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
XX CC      NUMBER OF SEQUENCES: 52
XX CC      CORRESPONDENCE ADDRESS:
XX CC      ADDRESSEE: Foley & Lardner
XX CC      STREET: 1800 Diagonal Road, Suite 500
XX CC      CITY: Alexandria
XX CC      STATE: VA
XX CC      COUNTRY: USA
XX CC      ZIP: 22313-0299
XX CC      COMPUTER READABLE FORM:
XX CC      MEDIUM TYPE: Floppy disk
XX CC      COMPUTER: IBM PC compatible
XX CC      OPERATING SYSTEM: PC-DOS/MS-DOS
XX CC      SOFTWARE: Patentin Release #1.0, Version #1.25
XX CC      CURRENT APPLICATION DATA:
XX CC      APPLICATION NUMBER: US/08/232,463
XX CC      FILING DATE:
XX CC      CLASSIFICATION: 435
XX CC      PRIOR APPLICATION DATA:
XX CC      APPLICATION NUMBER: US/07/935,313
XX CC      FILING DATE:
XX CC      APPLICATION NUMBER: EP 91 114 300.6
XX CC      FILING DATE: 26-AUG-1991
XX CC      ATTORNEY/AGENT INFORMATION:
XX CC      NAME: BENT, Stephen A.
XX CC      REGISTRATION NUMBER: 29,768
XX CC      REFERENCE/DOCKET NUMBER: 30472/114 IMMU
XX CC      TELECOMMUNICATION INFORMATION:
XX CC      TELEPHONE: (703)836-9300
XX CC      TELEFAX: (703)683-4109
XX CC      TELEX: 899149
XX CC      INFORMATION FOR SEQ ID NO: 14:
XX CC      SEQUENCE CHARACTERISTICS:
XX CC      LENGTH: 7218 base pairs
XX CC      TYPE: nucleic acid
XX CC      STRANDEDNESS: single
XX CC      TOPOLOGY: linear
XX CC      IMMEDIATE SOURCE:
XX CC      CLONE: pTZ9PT-F15
XX CC      SEQUENCE 7218 BP; 1944 A; 1491 C; 1486 G; 1929 T; 368 other;
XX
XX Query Match      2.4%; Score 31; DB 7; Length 7218;
XX Best Local Similarity 2.6%; Pred. No. 1,466-05;
XX Matches      2; Conservative 52; Mismatches 23; Indels 0; Gaps 0
XX
XX Db      1361 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1420
XX      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
XX Cp      104 TTGTTTACTTTTCATCCTTTTTCAGTTCCTATACACTTGAATTTTATTAAGTATATT 45
XX      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
XX      1421 YYYYYYYYYYYYYYGTGA 1437
XX      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
XX Cp      44 CATGATATGTCTATATA 28
XX
XX RESULT      14
XX ID      PCT-US95-11934-92 STANDARD; DNA; UNC; 81 BP.
XX

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TELEPHONE: 202-942-8400  
TELEFAX: 202-942-8484  
INFORMATION FOR SEQ ID NO: 17:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1968 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
Sequence 1968 bp; 382 A; 560 C; 577 G; 449 T; 0 other:

Query Match 26.5%; Score 1431; DB 7; Length 1968;  
Best Local Similarity 90.0%; Pred. No. 0.00e+00;  
Matches 1784; Conservative 0; Mismatches 167; Indels 31; Gaps 21;

1 TGAACCAACCCGGGTGGCCAGAGATCCCGACAGCTGATCCGCTCCACTGAGACCTG 60  
1601 TGACCCACCGGGGTGAGCAGCATCCCTGAGAGCTGACACTGCTCCACTGAGACCTG 1660  
61 AAAAAATGGCTGGGGGCAAGGCCAGGTCTCTCCAGGAGAGAGTGGGAGAGCTCCCT 120  
1661 AAAAAATGGATGGGGGCAAGGCCAGGTCTCTCCAGGAGAGAGTGGGAGAGCTCCCT 1720  
121 GCCCTGCTCTGAGAGACAGGTAGCCAGAGACAGAGAGAGTGGGAGAGTGGGAGAGT 180  
1721 GCCCTGCTCTGAGAGACAGGTAGCCAGAGACAGAGAGTGGGAGAGTGGGAGAGT 1779  
181 TTTTTCACCGCATCAGAGAGAGAGAGAGTGGGAGAGTGGGAGAGTGGGAGAGTGGG 240  
1780 TTTTTCACCGCATCAGAGAGAGAGAGAGTGGGAGAGTGGGAGAGTGGGAGAGTGGG 1839  
241 GATGTCACCTTACCTCTGACACCTAGACAGACATGGGGGAGAGTGGGAGAGTGGG 300  
1840 GATGTCACCTTACCTCTGACACCTAGACAGACATGGGGGAGAGTGGGAGAGTGGG 1899  
301 CATCATCGGGGAGAGATCAACCGAGCTATGACT-CAGAGTTCAGACATGTTGACAG 359  
1900 CATCATCGGGGAGAGATCAACCGAGCTATGACT-CAGAGTTCAGACATGTTGACAG 1958  
360 ACCTGACAGCCAGAGAGAGATGCTATGACTTACCAAGATTGCCACAGCTGT 419  
1959 ACCTGACAGCCAGAGAGAGATGCTATGACTTACCAAGATTGCCACAGCTGT 2018  
420 TTGAGAGTGGGACCAATTTGGGGGCGGTGTGGCTCTTCTGGGCTTCGGCTACCTGT 479  
2019 TTGAGAGTGGGACCAATTTGGGGGCGGTGTGGCTCTTCTGGGCTTCGGCTACCTGT 2078  
480 CCTACAGCTCTACAGAGATGGGCTGACTGGCTTCTTAGGCGAGGTGACCCGCTGTGG 539  
2079 CCTACAGCTCTACAGAGATGGGCTGACTGGCTTCTTAGGCGAGGTGACCCGCTGTGG 2138  
540 TCGACTTCATGCTGATCACTGCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 599  
2139 TC--TTTCATGCTGCAACAAGGATCGCCGGTGTGATCTGCGAGAGGGGGGTGGGTG 2195  
600 CAGCCCTGAACTGGGCAATGGTCCCATCTGAACTGCTGGTGGTCTTGGGTGGTGGTTC 659  
2196 CAGCCCTGAACTGGGCAATGGTCCCATCTGAACTGCTGGTGGTCTTGGGTGGTGGTTC 2255  
660 TGTGGGCGAGTTGTGTGATGCAAGATCTTGAATCATGACTCCCAAGAGGTGCCCTTGG 719  
2256 TGTGGGCGAGTTGTGTGATGCAAGATCTTGAATCATGACTCCCAAGAGGTGGTCTTGG 2315  
720 GG-TCCGGGTTAGAGACCCCTGCTGACTTAAAGCAAGTCTTGGCTTCTGCTGCTT 778  
2316 GGGTCCCACTGTGAGCCCTGCTGACTTAAAGCAAGTCTTGGCTTCTGCTGCTT 2375  
779 GCAAGGAGTCCCTCTCAAGAGTACAGAGTTCAGAGTGTGCTGCTGCTGCTGCTGAGG 838  
2376 GCAAGGAGTCCCTCTCAAGAGTACAGAGTTCAGAGTGTGCTGCTGCTGCTGCTGAGG 2435  
839 GCCCCTGGGTGGGGGCGAGTCAAGGCTGAGAGGCACTCAATTCATGCTGCTGCTGCTG 898

2436 GCCCCTGGGTGGGGGCGAGTCAAGGCTGCGGAGGCACTCAATTCATGCTGCTGCTGCTG 2495  
899 GCCCTCTCTGTGGGCCAGAGGGCTGTGGCCGTCTCTCTCTCTCTCTCTCTCTCTCTCT 958  
2496 GCCCTCTCTGTGGGCCAGAGGGCTGTGG--CC--CTCTCTCTCTCTCTCTCTCTCTCTCT 2552  
959 TAGCCCTGCTGTGGGGGCGAGTCAAGGCTGAGAGGCTGAGAGGCTGAGAGGCTGAGAG 1018  
2553 TAGCCCTGCTGTGGGGGCGAGTCAAGGCTGAGAGGCTGAGAGGCTGAGAGGCTGAGAG 2612  
1019 CACTTCTCCCGAGAAAGTGTAAAGGTTTAAAGTGTAAAGTGTAAAGTGTAAAGTGTAAAG 1078  
2613 CACTTCTCCCGAGAAAGTGTAAAGGTTTAAAGTGTAAAGTGTAAAGTGTAAAGTGTAAAG 2672  
1079 ATTCCACCATTCATCTGAGAGGCGAGAGCTGTGGGGGTGGGGGTGGGTGGGTGGGTG--TA-- 1135  
2673 ATTCCACCATTCATCTGAGAGGCGAGAGCTGTGGGGGTGGGGGTGGGTGGGTGGGTG--TA-- 2732  
1136 -T--GTTCGCCAGAGATTCAGATATTCAGAGATTCAGACCTTAAGAGATGGGACTAGGA 1192  
2733 CTAGTGGCCCGAGAGATTCAGATATTCAGAGATTCAGACCTTAAGAGATGGGACTAGGA 2791  
1193 CCTGAGCCTGTGCTGCGCCCTTAAGCATGTGCCAGAGAGAGAGCTTACTAGGAGA 1252  
2792 CCTGAGCCTGTGCTGCGCCCTTAAGCATGTGCCAGAGAGAGAGCTTACTAGGAGA 2848  
1253 GGGGGGCCAAGGTCTGCTCAACTCTACCTCTGCTCCATTCCTCTCTCTCTCTCTCTCT 1312  
2849 GGGGA-CCAAAGGCTCTACCCAGCTCTCCCGGCGCCCATTCCTCTCTCTCTCTCTCTCT 2906  
1313 CCTTTCAGATTCAGATTCAGAGATTCAGAGATTCAGAGATTCAGAGATTCAGAGATTCAG 1372  
2907 CCTTTCAGATTCAGATTCAGAGATTCAGAGATTCAGAGATTCAGAGATTCAGAGATTCAG 2966  
1373 GACAGAGCTGTCTGAACTCAAGTGTCAAGAGCTTCAAGAGCTTCAAGAGCTTCAAGAGCT 1432  
2967 GACAGAGCTGTCTGAACTCAAGTGTCAAGAGCTTCAAGAGCTTCAAGAGCTTCAAGAGCT 3026  
1433 CAGTCT 1492  
3027 CAGTCT 3086  
1493 AAGGCTTCACCCATCCCTGGGGGCTTGGGTGAGTGGCTGCTTAAAGCTCTCTCTCTCT 1552  
3087 AAGGCTTCACCCATCCCTGGGGGCTTGGGTGAGTGGCTGCTTAAAGCTCTCTCTCTCT 3145  
1553 CCAGACTAGAGGCTT-----AGGACTGGTGTGTATATCAAGGAAAAAGGATAGGAG 1607  
3146 CCAGACTAGAGGCTTGGTGTATAGGCTTGGTGTATATCAAGGAAAAAGGATAGGAG 3205  
1608 TTCATCTGGAGGTTCTAAGTGGGAGAGAGTCAACACCACTAGAGATCCAGAGGT 1667  
3206 TTCATCTGGAGGTTCTAAGTGGGAGAGAGTCAACACCACTAGAGATCCAGAGGT 3264  
1668 GGGATCT 1727  
3265 GGGATCT 3323  
1728 AATPACTGAACTCTGTCCCAACCTCATGCTCTCTCAACCTGCTAGTCTCTCTCAAGG 1787  
3324 AATPACTGAACTCTGTCCCAACCTCATGCTCTCTCAACCTGCTAGTCTCTCTCAAGG 3383  
1788 TG-GGGGGTGAAGTCTCTCTAATTTGGGCAAGAGTAAAGTCTTGGGGGTCAAGGGGG 1846  
3384 TGTGGGGGTGAAGTCTCTCTAATTTGGGCAAGAGTAAAGTCTTGGGGGTCAAGGGGG 3443  
1847 AAGAGTCTTGAATTAAGCCAAATGCAAGGAGGAGAGAGAGTGAAGCCATAGGCCACCC 1906  
3444 AAGAGTCTTGAATTAAGCCAAATGCAAGGAGGAGAGAGAGTGAAGCCATAGGCCACCC 3503  
1907 CCTATCTCTGAGTGTGGGAAATTAATCTGTGCAATCCCTCAACCTGAAAAAATTTTAA 1966  
3504 CCTATCTCTGAGTGTGGGAAATTAATCTGTGCAATCCCTCAACCTGAAAAAATTTTAA 3563



Dn	187	TTTACTAGACGGGGGTTTCACCTTTTAGCAGGATGCCTCATCTCTGTACCCTCGGA	246
Cp	4866	TTAGTATAGATGGGGTTTACCACTATTGGCCATGATGGTCTAAACTCTTGACCTCATGA	4807
Dn	247	TCCGCCCGCCTCGGCGCTCCCAAAGTCTCGGATTTACAGCGCTGAGCCACCGCCCGGCC	306
Cp	4806	TCCACCTGCCTGGCCCTCCCAAAGTCTGG-ATTACAGGTGTGAACCACTGCACCGCGCC	4748
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XX	ID	PCT-US95-07201-43 STANDARD; DNA; UNC; 22481 BP.	
XX	DT	01-JAN-1900	
XX	DE	Sequence 43, Application PC/TUS9507201.	
XX	XX	Sequence 43, Application PC/TUS9507201	
CC	CC	GENERAL INFORMATION:	
CC	CC	APPLICANT: Chader, Gerald J.; Becerra, Sofia	
CC	CC	APPLICANT: Patricia; Schwartz, Joan P.;	
CC	CC	APPLICANT: Taniwaki, Takayuki	
CC	CC	TITLE OF INVENTION: PIGMENT EPITHELIUM	
CC	CC	TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC	
CC	CC	TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PEDF GENE	
CC	CC	NUMBER OF SEQUENCES: 43	
CC	CC	CORRESPONDENCE ADDRESS:	
CC	CC	ADDRESSEE: Morgan & Finnegan, L.L.P.	
CC	CC	STREET: 345 Park Avenue	
CC	CC	CITY: New York	
CC	CC	STATE: New York	
CC	CC	COUNTRY: USA	
CC	CC	ZIP: 10154	
CC	CC	COMPUTER READABLE FORM:	
CC	CC	MEDIUM TYPE: Floppy Disk	
CC	CC	COMPUTER: IBM PC Compatible	
CC	CC	OPERATING SYSTEM: PC-DOS/MS-DOS	
CC	CC	SOFTWARE: WORDPERFECT 5.1	
CC	CC	CURRENT APPLICATION DATA:	
CC	CC	APPLICATION NUMBER: PCT/US95/07201	
CC	CC	FILING DATE: 06-JUN-1995	
CC	CC	CLASSIFICATION:	
CC	CC	PRIOR APPLICATION DATA:	
CC	CC	APPLICATION NUMBER: 08/367,841	
CC	CC	FILING DATE: 30-DEC-1994	
CC	CC	PRIOR APPLICATION DATA:	
CC	CC	APPLICATION NUMBER: 08/257,963	
CC	CC	FILING DATE: 07-JUN-1994	
CC	CC	PRIOR APPLICATION DATA:	
CC	CC	APPLICATION NUMBER: 07/952,796	
CC	CC	FILING DATE: 24-SEP-1992	
CC	CC	ATTORNEY/AGENT INFORMATION:	
CC	CC	NAME: DOROTHY R. AOTH	
CC	CC	REGISTRATION NUMBER: 36434	
CC	CC	REFERENCE/DOCKET NUMBER: 20264426PCT	
CC	CC	TELECOMMUNICATION INFORMATION:	
CC	CC	TELEPHONE: (212) 758-4800	
CC	CC	TELEFAX: (212) 751-6849	
CC	CC	INFORMATION FOR SEQ ID NO: 43:	
CC	CC	SEQUENCE CHARACTERISTICS:	
CC	CC	LENGTH: 22481 Base Pairs	
CC	CC	TYPE: Nucleic Acid	
CC	CC	STRANDEDNESS: Double	
CC	CC	TOPOLOGY: Unknown	
CC	CC	MOLECULE TYPE: Genomic DNA	
CC	CC	FEATURE:	
CC	CC	NAME/KEY: Pl-147	
CC	CC	LOCATION:	
CC	CC	IDENTIFICATION METHOD:	
CC	CC	OTHER INFORMATION: full length genomic	

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CC      OTHER INFORMATION: sequence for PEDF plus flanking sequences.
SC      Sequence 22481 BP; 5280 A; 5708 C; 6136 G; 5347 T; 10 other;
Query Match          4.0%; Score 215; DB 14; Length 22481;
Best Local Similarity 86.2%; Pred. No. 9,40e-133;
Matches 274; Conservative 0; Mismatches 41; Indels 3; Gaps 3
Db 12870 GGGCGGGGGCGGTGGCTCAGCCCTGTATCCACACTTTGGAGGTGGAGTGGGTGGA 12879
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QY 4748 GGGCGGGGGCTAGTGGTTCACACCTGTATCC-AGCACTTTGGAGGCCAAGCGGTGA 4806
      |||||
Db 12880 TCACGAGGTCAAGAGATCGAGACCATCCTGTGCTAACACGAGTAACCCCGTCTACTAA 12939
      |||||
QY 4807 TCATGAGGTCAAGAGTTTGGAGACCATCATGTGCCCAACATGTGGAAACCCCATCTTACTAA 4866
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Db 12940 AAATACAAAAAATTAGCTGGGTGTGTGTGGGGGGCGCTGTAGTCCAGTACTCGGAGG 12999
      |||||
QY 4867 AAATACAAAAA-TTAGCTGGGTGTGTGTGGGGGGCACTGTAGTCCAGTACTCGGAGG 4925
      |||||
Db 13000 CTGAGGCGAGAGGAATGGCGCTGAACCCCGGAGGTGGAGTGGTCACTGAGCTGCGCAC 13059
      |||||
QY 4926 CTGAGGCGAGGGAATCCCTTGAAGCTCTGGGAGGCGGAGGTTGCACTGAGCCGATTCACGC 4985
      |||||
Db 13060 CACGCACTCCAGCCTGGGCGACAGAGTGAAGATCCGCTCTCAAAAAAAAAAAAAAAAAA 13119
      |||||
QY 4986 CACTGCACTCCAGCCTGG-CGACGAGGCGAGACTTCATCTCAAAAAAAAAAGAAAAATAAA 5044
      |||||
Db 13120 AGAAAAAGAAAAAACTG 13137
      |||||
QY 5045 TAGTTGAAATTAAGACTG 5062
      |||||

RESULT      5
ID PCR-US95-07201-10 STANDARD; DNA; UNC; 7210 BP.

XX      xxxxxx
AC      xxxxxx
XX      01-JAN-1900
XX      Sequence 10, Application PC/TUS9507201.
DE      Sequence 10, Application PC/TUS9507201.
XX      Sequence 10, Application PC/TUS9507201
CC      GENERAL INFORMATION:
CC      APPLICANT: Chader, Gerald J.; Becerra, Sofia
CC      APPLICANT: Patricia; Schwartz, Joan P.;
CC      APPLICANT: Tanikaki, Takeyuki
CC      TITLE OF INVENTION: PIGMENT EPITHELIUM
CC      TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
CC      TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PDF GENE
CC      NUMBER OF SEQUENCES: 43
CC      CORRESPONDENCE ADDRESS:
CC      ADDRESSEE: Morgan & Finnegan, L.L.P.
CC      STREET: 345 Park Avenue
CC      CITY: New York
CC      STATE: New York
CC      COUNTRY: USA
CC      ZIP: 10154
CC      COMPUTER READABLE FORM:
CC      MEDIUM TYPE: Floppy Disk
CC      COMPUTER: IBM PC Compatible
CC      OPERATING SYSTEM: PC-DOS/MS-DOS
CC      SOFTWARE: WORDPERFECT 5.1
CC      CURRENT APPLICATION DATA:
CC      APPLICATION NUMBER: PC/TUS95/07201
CC      FILING DATE: 06-JUN-1995
CC      CLASSIFICATION:
CC      PRIOR APPLICATION DATA:
CC      APPLICATION NUMBER: 08/367,841
CC      FILING DATE: 30-DEC-1994
CC      PRIOR APPLICATION DATA:
CC      APPLICATION NUMBER: 08/257,963
CC      FILING DATE: 07-JUN-1994

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|||||  
4851 ACCCATCTCTACTATAAATACAAAAATTAAGCTGGGTGTGGTGGCGGACCTGTAGTCC 4910  
Db 7697 CAGCTTACTGGAGGCTGAGCGACAGAGAAATCGCTTGAACCTGGAGGAGAGCTTGCACT 7756  
Oy 4911 CAGCTACTGGAGGCTGAGCGAGAGATCGCTTGAAGCTGGAGGCGAGAGCTTGCACT 4970  
Db 7757 GAGCGGAGATTTGTCATCGCATCCAGCCAGGCAAGACGAGACTTCACTCAAAA 7816  
Oy 4971 GAGCGGATATCAGCGCCTGCTCAAGCTTG6-CGACAGAGCGAGACTTCAAAA 5029  
Db 7817 AAAAAAAAAA 7827  
Oy 5030 AAAAAAAAAA 5040  
RESULT 7  
ID US-08-484-044-10 STANDARD; DNA; UNC; 11613 BP.  
XX xxxxxx  
XX 01-JAN-1900  
DE Sequence 10, Application US/08484044.  
CC Sequence 10, Application US/08484044  
CC Patent No. 5552282  
CC GENERAL INFORMATION:  
CC APPLICANT: Caskey, C. T.  
CC APPLICANT: Fu, Ying-Hui  
CC APPLICANT: Friedman, David L.  
CC APPLICANT: Pizutti, Antonio  
CC APPLICANT: Fenwick, Raymond G.  
CC TITLE OF INVENTION: Diagnosis of Myotonic Muscular Dystrophy  
CC NUMBER OF SEQUENCES: 13  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Fulbright & Jaworski, L.L.P.  
CC STREET: 1301 McKinney, Suite 5100  
CC CITY: Houston  
CC STATE: Texas  
CC COUNTRY: U.S.A.  
CC ZIP: 77010-3095  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/484,044  
CC FILING DATE:  
CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/019,940  
CC FILING DATE: 19-FEB-1993  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Paul, Thomas D.  
CC REGISTRATION NUMBER: 32,714  
CC REFERENCE/DOCKET NUMBER: D-5443  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 713/651-5325  
CC TELEFAX: 713/651-5246  
CC TELEX: 762829  
CC INFORMATION FOR SEQ ID NO: 10:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 11613 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: double  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: DNA (genomic)  
CC SEQUENCE 11613 BP; 2284 A; 3317 C; 3604 G; 2408 T; 0 other;  
SQ  
Query Match 3.8%; Score 205; DB 6; Length 11613;

Best Local Similarity 86.6%; Pred. NO. 2,40e-125;  
Matches 272; Conservative 0; Mismatches 37; Indels 5; Gaps 4;  
Db 6361 AAGTATTAATTTAGCGCGCGCGGTGGCTCAGCCCTTAATCTAGACATTTGGAGGC 6420  
Oy 4735 AAGAAATATTGAGCGCGGTGAGAGTGGTTCAACCTTAATCC-AGCATTGGGAGGC 4793  
Db 6421 CAGGCGAGTGATCATAGGTCAAGAGATGAGACCATCTGCTTAACAGCTGAACC 6480  
Oy 4794 CAGGCGAGTGATCATAGGTCAAGAGATGAGACCATCTGCTTAACAGCTGAACC 4853  
Db 6481 CCGCTCTACTAAAAATTAACAAAAATTAAGCGGCAATGAGTGGCGGCTTGCGGTCC 6540  
Oy 4854 CCACTCTACTAAAAATTAACAAAA-TTAGCTGGGTGTGGTGGCGGCACTGTAGTCC 4911  
Db 6541 AGCTACTTGGAGGC-GAGCGAGAGATGAGCATGAACCCGAGGCGAGACTTGCACTG 6599  
Oy 4912 AGCTACTTGGAGGCTGAGCGAGAGATCGCTTGAAGCTTGAGGCGGAGAGTTGCACTG 4971  
Db 6600 AGCGGATCATGCGCATGCACTCCAGCTGGGCGACAGACCAAGACTCGTTCAAAAA 6659  
Oy 4972 AGCGGATATCAGCGCCTGCTCAAGCTTG6-CGACAGAGCGAGACTTCATCAAAA 5030  
Db 6660 AAAAAAAAAA 6673  
Oy 5031 AAAAAAAAAA 5044  
RESULT 8  
ID US-08-133-629-8 STANDARD; DNA; UNC; 282 BP.  
XX xxxxxx  
XX 01-JAN-1900  
DE Sequence 8, Application US/08133629.  
XX Sequence 8, Application US/08133629  
CC Patent No. 5597694  
CC GENERAL INFORMATION:  
CC APPLICANT: Munroe, David J.  
CC APPLICANT: Houman, David E.  
CC TITLE OF INVENTION: AMPLIFICATION OF NUCLEIC ACIDS  
CC NUMBER OF SEQUENCES: 8  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
CC STREET: 600 Atlantic Avenue  
CC CITY: Boston  
CC STATE: Massachusetts  
CC COUNTRY: United States of America  
CC ZIP: 02210  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Patentin Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/133,629  
CC FILING DATE: 07-OCT-1993  
CC CLASSIFICATION: 435  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Greer, Helen  
CC REGISTRATION NUMBER: 36,816  
CC REFERENCE/DOCKET NUMBER: M0828/7001  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 617-720-3500  
CC TELEFAX: 617-720-2441  
CC TELEX: 92-1742 EZEKIEL  
CC INFORMATION FOR SEQ ID NO: 8:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 282 base pairs  
CC TYPE: nucleic acid





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XX 01-JAN-1900
DE Sequence 33, Application PC/TUS9407926.
XX
CC Sequence 33, Application PC/TUS9407926
CC GENERAL INFORMATION:
CC APPLICANT: Tischfield, Jay A.
CC APPLICANT: Selhammer, Jeffrey J.
CC TITLE OF INVENTION: Mammalian Phospholipase A2 Nucleotide
CC TITLE OF INVENTION: Sequences and Low Molecular Weight Amino Acid Sequences
CC TITLE OF INVENTION: Encoded Thereby, Antisense Sequences and Nucleotide
CC TITLE OF INVENTION: Sequences Having Internal Ribosome Binding Sites
CC NUMBER OF SEQUENCES: 44
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
CC ADDRESSEE: Russell PA
CC STREET: 200 East Broward Boulevard
CC CITY: Fort Lauderdale
CC STATE: FL
CC COUNTRY: USA
CC ZIP: 33301
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patent Release #1.0, Version #1.25
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: PCT/US94/07926
CC FILING DATE: 15-JUL-1994
CC CLASSIFICATION:
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: US 08/097,354
CC FILING DATE: 26-JUL-1993
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Manso, Peter J.
CC REGISTRATION NUMBER: 32,264
CC REFERENCE/DOCKET NUMBER: IN21044-5
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 305-527-2498
CC TELEFAX: 305-764-4996
CC INFORMATION FOR SEQ ID NO: 33:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 15328 base pairs
CC TYPE: nucleic acid
CC STRANDEDNESS: single
CC TOPOLOGY: linear
CC MOLECULE TYPE: cDNA
CC Sequence 15328 BP: 3885 A; 3789 C; 4082 G; 3572 T; 0 other;
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Best Local Similarity 86.1%; Pred. No.6.55e-121;
Matches 267; Conservative 0; Mismatches 38; Indels 5; Gaps 3;
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4748 GGGCGGGTGCAGTGGTTCACACCTGTAATCC-AGCACTTGGGAGGCGCAAGCGAGGTGA 4806
Db 5756 TCACAGAGTCAGAGAAATTCAGAGCAATCTTGCTAACACGGTGAACCCCTCTCTACTAA 5815
4807 TCATAGAGTCGAAGAGTTTGAAGCAATCATGCGCCACATGCTGAACCCCTCTCTACTAA 4866
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4867 AAATCAAAAA---TTAGTGGGTGTGTGTGGCGCGCACTGTAGTCCCACTACTCGGGA 4923
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5024 GCGTGAAGGAGAGAAATGCGCTGTAACCCGGGAGGCGGAGCTTGCAGTGAAGCCGATATCAC 5024

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Db	5996	AAAGAGGAA	6005	
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XX	01-JAN-1900			
DT				
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DE	Sequence 43, Application PC/TUS9507201.			
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CC	Sequence 43, Application PC/TUS9507201			
CC	GENERAL INFORMATION:			
CC	APPLICANT: Chader, Gerald J.; Becerra, Sofia			
CC	APPLICANT: Patricia; Schwartz, Joan P.;			
CC	APPLICANT: Taniwaki, Takayuki			
CC	TITLE OF INVENTION: PIGMENT EPITHELIDM			
CC	TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC			
CC	TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PEDF GENE			
CC	NUMBER OF SEQUENCES: 43			
CC	CORRESPONDENCE ADDRESS:			
CC	ADDRESSEE: Morgan & Finnegan, L.L.P.			
CC	STREET: 345 Park Avenue			
CC	CITY: New York			
CC	STATE: New York			
CC	COUNTRY: USA			
CC	ZIP: 10154			
CC	COMPUTER READABLE FORM:			
CC	MEDIUM TYPE: Floppy Disk			
CC	COMPUTER: IBM PC Compatible			
CC	OPERATING SYSTEM: PC-DOS/MS-DOS			
CC	SOFTWARE: WORDPERFECT 5.1			
CC	CURRENT APPLICATION DATA:			
CC	APPLICATION NUMBER: PCT/US95/07201			
CC	FILING DATE: 06-JUN-1995			
CC	CLASSIFICATION:			
CC	PRIOR APPLICATION DATA:			
CC	APPLICATION NUMBER: 08/367,841			
CC	FILING DATE: 30-DEC-1994			
CC	PRIOR APPLICATION DATA:			
CC	APPLICATION NUMBER: 08/257,963			
CC	FILING DATE: 07-JUN-1994			
CC	PRIOR APPLICATION DATA:			
CC	APPLICATION NUMBER: 07/952,796			
CC	FILING DATE: 24-SEP-1992			
CC	ATTORNEY/AGENT INFORMATION:			
CC	NAME: DOROTHY R. AUTH			
CC	REGISTRATION NUMBER: 36434			
CC	REFERENCE/DOCKET NUMBER: 20264126PCT			
CC	TELECOMMUNICATION INFORMATION:			
CC	TELEPHONE: (212) 758-4800			
CC	TELEFAX: (212) 751-6849			
CC	INFORMATION FOR SEQ ID NO: 43:			
CC	SEQUENCE CHARACTERISTICS:			
CC	LENGTH: 22481 Base Pairs			
CC	TYPE: Nucleic Acid			
CC	STRANDEDNESS: Double			
CC	TOPOLOGY: Unknown			
CC	MOLECULE TYPE: Genomic DNA			
CC	FEATURE:			
CC	NAME/KEY: PL-147			
CC	LOCATION:			
CC	IDENTIFICATION METHOD:			
CC	OTHER INFORMATION: full length genomic			
CC	OTHER INFORMATION: sequence for PEDF plus flanking sequences			
CC	Sequence 22481 BP; 5280 A; 5708 C; 6136 G; 5347 T; 10 other;			
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Query Match	3.7%;	Score 202;	DB 14;	Length 22481;
Best Local Similarity	87.2%;	Pred. No. 3.97e-123;		



Thu May 7 08:25:58 1998

US-08-320-157-20.rni

Page 11

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CC REFERENCE/DOCKET NUMBER: 8076.103USMO
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 612-332-5300
CC TELEFAX: 612-332-9081
CC INFORMATION FOR SEQ ID NO: 3:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 1856 base pairs
CC TYPE: nucleic acid
CC STRANDEDNESS: single
CC TOPOLOGY: linear
CC MOLECULE TYPE: DNA (genomic)
CC IMMEDIATE SOURCE:
CC CLONE: Intron 16 of human angiotensin converting
CC CLONE: enzyme (ACE) gene
CC Sequence 1856 bp; 403 A; 546 C; 483 G; 424 T; 0 other;
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Query Match	3.68;	Score 192;	DB 8;	Length 1856;
Best Local Similarity	87.9%;	Pred. No. 9.61e-116;		
Matches	246;	Conservative	0;	Mismatches 30; Indels 4; Gaps 4

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Cp	5040	TTTTTCTTTTTTTTTGAGAGAGTCTCCCTGTGCGCCAGGCTGGAGTGCAGTGGCGG	49922
Db	1521	GATCTGGCTACTGCAAGCTCCGCTCCCGGGTTACGCCATCTCTGCTCAGCTC	1580
Cp	4981	GATCTGGCTACTGCAAGCTCCGCTCCCGGGTTACGCCATCTCTGCTCAGCTC	49222
Db	1581	CCAAAGTGTGGGAGCCACAGC-GCCGGCAGTACGGCCGGGCAATTTTGTATTTTATG	16399
Cp	4921	CCGAGTGTGGGAGCTACAGTGTCCCGCCACCCACAGCTAATTTTTT-GAATTTTATG	48633
Db	1640	TAGAGAGGGGGTTTCAACCGTTTATGCGGGGATGTGTCATCTCCTGCACTGTGATCCG	16999
Cp	4862	TAGAGATGGGGTTTCAACCAAGTTGGCCATGATGTCTCAACTCTTGAACCTCATGATCA	48033
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Cp	4802	CTGCGCTGGGCTCCCAAAATGCTGG-ATTACAGGTTGA	4764

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Search completed: Thu May 7 00:12:48 1998
Job time : 304 secs.
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